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MISSISSIPPI SOYBEAN

VARIETY TRIALS, 2011

MAFES

Mississippi Agricultural & Forestry Experiment Station • George M. Hopper, Director

Mississippi State University • Mark E. Keenum, President • Gregory A. Bohach, Vice President

NOTICE TO USER

This information bulletin is a summary of research conducted under project number MIS 2348 at seven locations in the state (see map). It is intended for farmers, seedsmen, colleagues, cooperators, and sponsors. Interpretation of this data should not be construed as a recommendation or as an endorsement of a specific variety or product.

This report contains data generated as part of the Mississippi Agricultural and Forestry Experiment Station research program. Joint sponsorship by the organizations listed on pages 71-73 is gratefully acknowledged.

Trade names of commercial products used in this report are included only for clarity and understanding. All available names (i.e., trade names, code numbers, chemical names, etc.) of varieties or products used in this research project are listed on pages 71-73.

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Mississippi Soybean Variety Trials, 2011

Brad Burgess
Operations Manager, Variety Evaluations
Mississippi State University

Brandt Nichols
County Extension Director
Tippah County Extension Service

Megan Starkey
Research Associate I
Brown Loam Branch Experiment Station

Beau Varner
Assistant Farm Supervisor
Black Belt Branch Experiment Station

Robert Martin
County Extension Director
Issaquena and Sharkey Counties

Dennis Reginelli
Area Extension Agent
Noxubee County

Don Respess
County Extension Director
Coahoma Extension Service

Dennis Rowe
Statistician, Experimental Statistics
Mississippi State University

Gabe Sciumbato
Research Professor
Delta Research and Extension Center

Mark Silva
Extension Associate II
Delta Research and Extension Center

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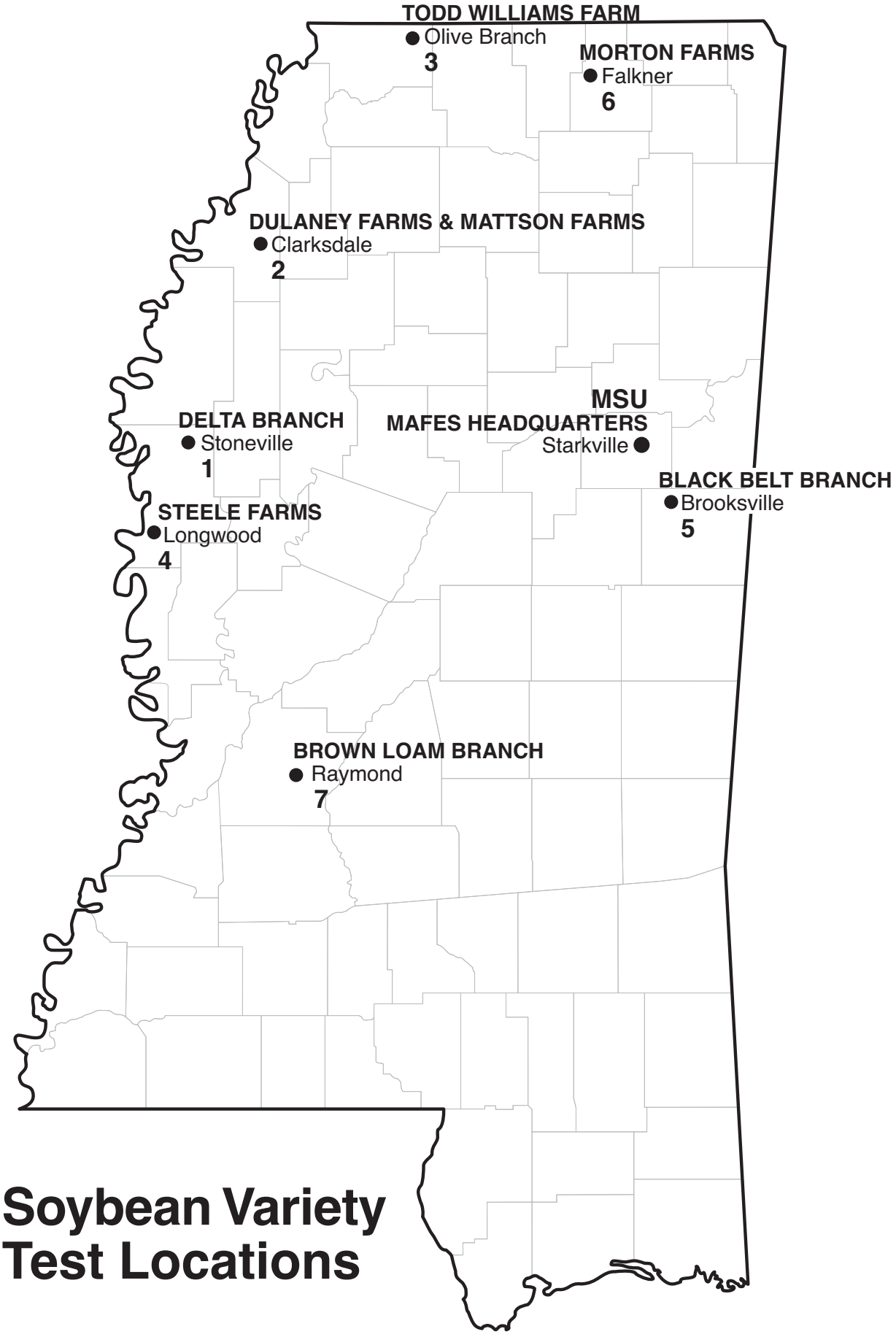

Soybean Variety Test Locations

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Introduction

Procedures

There has been a proliferation of soybean varieties in recent years, and many good varieties are available to Mississippi producers. No single variety is superior, but in some situations, there are varieties that are more specifically adapted than others. Selecting a variety for planting requires knowledge of disease, nematode, and herbicide reactions, as well as the yield performance of each variety on a particular soil type. In many cases, planting the proper varieties will make substantial differences in yield and profitability on a farm. Proper management, including adequate lime, fertilizer, and weed control, is required to produce high yields of any variety, but yields may be limited, even under good management, unless the proper varieties are planted.

Soybean variety trials were conducted at eight locations in 2011 (see map). Commercial seed companies were given the opportunity to enter varieties for testing. Seed of all private entries were supplied by the participating companies. Public varieties were selected by the Technical Advisory Committee for evaluation at each location. The experimental design at each location for each maturity group was a randomized complete block, with three replications of each entry.

Seeding Rate. All seeds were packaged for planting at the rate of nine seeds per foot of row for 30-inch row spacing and at the rate of six seeds per foot for 18-inch row spacing. Plots were planted with a cone planter. Irrigated plots had four rows, spaced 30 inches apart; nonirrigated plots had three rows, spaced 18 inches apart. All irrigated plots were planted to a plot length of 16 feet by using a planter with a cable trip system. All nonirrigated plots were planted to a length of 18 feet. Plot ends were trimmed to a uniform length 3 to 4 weeks after emergence.

Cultural Practices. Cultural and pest control practices for optimum yields were followed. Plots were limed and fertilized on the basis of an annual soil test. All seeds were treated with Vitavax/Thiram plus Apron fungicides prior to planting. Only herbicides currently registered for use on soybeans with strict adherence to all label instructions were used in these studies.

Maturity Date. Maturity is considered to be the date when the pods are dry and most of the leaves have dropped. Under most conditions, the stems are also dry.

Yield. An Almaco SPC-20 plot combine was used to harvest each plot. Harvested seed were allowed to dry at ambient temperature to a uniform moisture content before weighing. Weights were converted to yield in bushels per acre (60 pounds per bushel).

Plant Height. Plants were measured from the soil to the top extremity, at maturity, and plant height was recorded as the average of the height of plants measured.

Lodging. Lodging was rated and recorded on a scale of 1 = almost all plants erect, 2 = all plants leaning slightly or only a few plants down, 3 = all plants leaning moderately or 25 to 50 percent of plants down, 4 = all plants leaning considerably or 50 to 80 percent of plants down, and 5 = all plants down.

Disease and Nematodes. When a disease or nematode problem is correctly identified, the information in Tables 71 to 76 may be used to select varieties that have genetically inherited resistance to the problem. Stem canker ratings shown in this report were determined by Gabe Sciumbato, MAFES plant pathologist.

How to Select Varieties

In Problem or Difficult Fields

(1) Identify fields that have had problems in the past. Problems to consider may include diseases, nematodes, or fields that make planting or harvest difficult because of extremely dry or wet conditions. The Mississippi State University Extension Service offers a disease diagnostic service and nematode analysis free of charge.

(2) Use Tables 71 to 76 to select varieties for fields that need disease resistance.

(3) Select varieties using multiyear averages from all available locations. Identify those varieties that have desired pest resistance along with a high yield potential. Use data from a test site or sites with a soil type similar to that where the soybeans will be grown. Consider planting dates and maturity dates that may allow you to avoid historical field problems.

In Nonproblem Fields

(1) Identify the farm's highest yielding fields that have no specific disease problems.

(2) Select varieties with the best yield potential using multiyear averages from all available locations. Use data from a test site or sites with a soil type similar to that where the soybeans will be grown.

(3) Try new varieties on a limited number of acres. Don't abandon older, consistent-performing varieties that are yielding well unless research and experience show an advantage for newer varieties.

Planting Date and Maturity Date

(1) Varieties in Maturity Groups IV and V are recommended. Earlier maturing varieties should be considered for planting where fall seedbed preparation was done the previous year and in fields that are subject to drought stress during the growing season and/or wet soils during the usual harvest period. Later maturing varieties should be considered for planting in fields that are not as prone to drought stress, where irrigation will be used to alleviate drought stress, and for later planting. However, early planting of all acreage is encouraged to reduce risk from drought and obtain higher yields.

(2) Early-season production is a practice that has been quite successful and consistent for several years. Cool, wet soils at planting may justify the use of a seed treatment that has activity against *Pythium*, since no varieties have resistance to infection and resulting damage from this organism. Most Maturity Group IV soybeans have a narrow growth habit. Given their growth, habit narrow rows are quite advantageous. Early April to early May planting is recommended for early-season production of Group IV varieties. Irrigation allows later planting of early-maturing soybeans; however, the full yield potential may not be realized when planted late. Timely harvest is crucial with early-maturing varieties because dry weather at maturity may promote shattering. There is a wide range in maturity within Group IV soybeans. Determine if an early Group IV or a late Group IV variety, or some acreage of both, will fit into your operation.

(3) Timely planting is crucial for optimum production of all maturity groups of soybeans. An attempt should be made to complete soybean planting as early as possible. Planting of Group V and Group VI can be made in April. Delays in planting will result in reduced yield potential for almost all varieties in all maturity groups.

Herbicide-Resistant Varieties

(1) Evaluate overall performance characteristics of the variety — including yield potential, disease and nematode resistance, maturity date, lodging, etc. — as you would any variety.

(2) Compare these characteristics to other varieties, conventional and herbicide-resistant.

(3) Consider seed premiums, technology fees, and specific weed problems. Determine total cost of conventional and herbicide-resistant-crop weed control programs, and combine this information with factors listed above in choosing a variety.

General Characteristics of Varieties

Soybean varieties differ in significant characteristics that may not affect their performance. Tables 65 to 70 give the general characteristics of most varieties grown in Mississippi.

Pubescence and Hilum Color. Brown (tawny) and gray are the basic pubescence (hair) colors found among varieties. Varying pod-wall colors result in different intensities of mature pod colors. The "eye" of the seed is called a hilum, or point of attachment to the pod, and it differs in color by variety.

Seed Size. There is no relationship between inherited seed size and seed yield. A small-seeded variety may yield as much as or more than a large-seeded variety. The average seed per pound for different varieties is shown in Tables 65 to 70, but this is subject to seasonal variation. Knowing the number of seed per pound is important in determining the amount of seed needed for planting. Fewer pounds are required for small-seeded varieties than for large-seeded varieties. Your county Extension office has a publication

(Information Sheet 1194) that deals with seeding rates and plant populations.

Flowering. Varieties of Maturity Group IV generally display an indeterminate growth habit. This means that a large portion of their vegetative growth occurs after the onset of flowering begins. In contrast, varieties of Groups V and VI display a determinate growth habit, where most of the vegetative growth occurs before flowering. The date of first flower will be determined by the time of planting and maturity. For example, a mid-Group IV variety may bloom 3 weeks earlier than a Group V variety, whereas a late Group IV variety may bloom only 1 week earlier than a Group V variety. Soybean flower petals are purple or white. The flower color is controlled strictly by genetics, and only one flower color occurs in a pure variety.

Within the Maturity Group IV trials, the wide variation in maturity dates is attributed to lack of rigid standards for classifying varieties within a group. It was decided to subdivide both the Group IV and Group V trials into two maturity groups. All maturity groups were assigned an early- and late-maturity check:

Conventional Test

Maturity Group	Early Check	Late Check
Group IV Late	—	HBK C4926
Group V Early	HBK C4926	P 5770
Group V Late	P 5770	

Roundup Ready Test

Maturity Group	Early Check	Late Check
Group IV Early	—	457.RCP
Group IV Late	457.RCP	P94Y70
Group V Early	P94Y70	P95Y70
Group V Late	P95Y70	

Use of Data Tables and Summary Statistics

The yield potential of a given variety cannot be measured with complete accuracy. Consequently, replicated plots of all varieties are evaluated for yield, and the yield of a given variety is estimated as the mean of all replicated plots of that variety. Yields may vary from one plot to another, which introduces a certain degree of error to the estimation of yield potential. This natural variation is often responsible for yield differences seen among different varieties. Thus, even if the mean yield of two varieties is numerically different, they are not necessarily significantly different in terms of yield potential. In other words, the ability to measure yield is not precise enough to determine whether such small differences are observed purely by chance or because of superior performance.

The least significant difference (LSD) is an estimate of the smallest difference between two varieties that can be declared to be the result of something other than random variation in a particular trial. Consider the following example for a given trial:

Variety	Yield
Abe	40 bu/A
Bill	35 bu/A
Charlie	31 bu/A
LSD	7 bu/A

The difference between variety Abe and variety Bill is 5 bushels per acre (40 - 35 = 5). This difference is **smaller** than the LSD (7 bushels per acre). Consequently, it is concluded that variety Abe and variety Bill have the same yield potential, since the observed difference occurred purely due to chance.

The difference between variety Abe and variety Charlie is 9 bushels per acre (40 - 31 = 9), which is **larger** than the LSD (7 bushels per acre). Therefore, it is concluded that the yield potential of variety Abe is superior to that of variety Charlie, since the difference is larger than would be expected purely by chance.

The coefficient of variation (CV) is a measure of the relative precision of a given trial and is used to compare the relative precision of different trials. The CV is generally considered to be an estimate of the amount of unexplained variation in a given trial. This unexplained variation could be the result of variation between plots, with respect to soil type, fertility, insects, diseases, drought stress, etc. In general, the higher the CV, the less precise a given trial is.

The coefficient of determination (R^2) is another measure of the level of precision in a trial and is also used to compare the relative precision of different trials. The R^2 is a measure of the amount of variation that is explained, or accounted for, in a given trial. For example, an R^2 value of 90 percent indicates that 90 percent of the observed variation in the trial has been accounted for, with the remaining 10 percent being unaccounted for. The higher the R^2 value, the more precise the trial. The R^2 is generally considered to be a better measure of precision than is the CV, for comparison of different trials.

Table 1. Summary of Yields for Maturity Group IV Conventional for the 2011 Mississippi Soybean Variety Trials.

Variety	Brand	Longwood	Stoneville	Delta Avg.	Brooksville	Falkner	Hills Avg.		Overall Avg.
		bu/A	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*		*bu/A*
DG 4861LL	Delta Grow	32.9	50.9	41.9	47.7	62.0	54.9		48.4
33LL49	Dyna-Gro	42.9	53.6	48.3	48.1	58.1	53.1		50.7
4411LL	GoSoy	43.4	61.1	52.2	49.7	68.2	58.9		55.6
4810LL	GoSoy	45.6	56.6	51.1	52.0	62.6	57.3		54.2
HBK C4926	Hornbeck	42.6	50.8	46.7	50.2	55.5	52.8		49.8
HBK C4929	Hornbeck	44.1	49.1	46.6	44.9	55.2	50.1		48.3
MIAMI 949LL	Merschman	45.7	57.6	51.6	49.4	62.4	55.9		53.8
Tampa 1245LL	Merschman	41.3	54.1	47.7	48.2	67.2	57.7		52.7
CB4860	Morsoy	46.7	53.9	50.3	45.0	62.9	53.9		52.1
Progeny 4928LL	Progeny	45.0	52.2	48.6	49.3	55.7	52.5		50.6
Progeny P4910	Progeny	44.3	58.5	51.4	52.7	62.7	57.7		54.6
UA 4910	University of Arkansas	38.7	50.7	44.7	47.8	57.6	52.7		48.7
S08-17361	University of Missouri	46.9	59.1	53.0	54.7	57.9	56.3		54.6
Halo 4:65	US Seeds	39.5	60.5	50.0	49.6	65.8	57.7		53.9
HALO 4:75	US Seeds	35.9	55.3	45.6	45.1	49.0	47.1		46.3
Halo 4:94	US Seeds	41.8	56.6	49.2	50.5	61.9	56.2		52.7
LG04-1459-6	USDA-ARS	30.9	49.9	40.4	54.2	54.8	54.5		47.4
Y227-1	USDA-ARS	28.1	52.4	40.3	53.1	53.0	53.1		46.7
Hanover	VA Tech	34.4	52.7	43.6	46.9	56.4	51.6		47.6
Overall Mean		40.6	54.5	47.5	49.4	59.4	54.4		51.0
LSD (.10)		5.2	7.2		5.8	4.7			
Error degrees of freedom		36.0	36.0		36.0	36.0			
CV (%)		9.3	9.6		8.5	9.7			
R^2 (%)		82.5	62.7		54.3	56.5			

Table 2. Summary of Yields for Maturity Group V Conventional for the 2011 Mississippi Soybean Variety Trials.[1]

Variety	Brand	Longwood Irr.	Stoneville Irr.	Delta Avg.	Brooksville	Falkner	Hills Avg.		Overall Avg.
		bu/A	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*		*bu/A*
AGS 5911LL	AGS	36.1	48.2	42.2	40.9	50.5	45.7		43.9
AGS 6011LL	AGS	38.9	46.8	42.9	40.0	63.4	51.7		47.3
DG5461LL	Delta Grow	54.7	50.6	52.7	36.2	61.7	49.0		50.8
34LL53	Dyna-Gro	34.0	51.4	42.7	41.9	56.5	49.2		46.0
5111LL	GoSoy	40.1	51.0	45.6	47.1	56.6	51.8		48.7
5911LL	GoSoy	40.5	50.6	45.5	42.3	53.4	47.9		46.7
HBK C5025	Hornbeck	42.5	49.9	46.2	40.6	54.2	47.4		46.8
HBK C5528	Hornbeck	42.4	49.5	45.9	39.8	60.2	50.0		48.0
CB 5209	Morsoy	47.2	49.2	48.2	38.5	61.7	50.1		49.1
Progeny 5160LL (E)	Progeny	44.0	47.5	45.7	34.5	53.0	43.8		44.7
Progeny 5460LL (E)	Progeny	41.6	53.2	47.4	31.1	60.3	45.7		46.6
Progeny 5960LL (E)	Progeny	43.3	53.2	48.3	43.3	56.2	49.7		49.0
Progeny 5191	Progeny	41.6	47.3	44.5	52.7	71.9	62.3		53.4
Progeny 5261LL	Progeny	44.2	54.6	49.4	48.8	61.7	55.2		52.3
Progeny P4910	Progeny	45.0	49.8	47.4	47.5	67.9	57.7		52.5
Progeny P5770	Progeny	48.5	50.2	49.4	46.6	68.8	57.7		53.5
50LC82	Stine	43.4	57.8	50.6	39.9	63.7	51.8		51.2
Osage	University of Arkansas	31.2	46.0	38.6	46.7	61.5	54.1		46.4
Ozark	University of Arkansas	44.0	51.0	47.5	41.7	60.4	51.0		49.3
Halo 5:25	US Seeds	41.2	47.5	44.3	40.4	61.5	51.0		47.7
Halo 5:65	US Seeds	42.1	48.3	45.2	37.5	47.7	42.6		43.9
DB00-087-08(E)	USDA-ARS	45.8	50.8	48.3	51.2	53.9	52.5		50.4
DB03-8416(E)	USDA-ARS	43.4	53.5	48.5	43.3	57.8	50.5		49.5
DB04-10836(E)	USDA-ARS	42.4	45.6	44.0	46.2	61.0	53.6		48.8
DB06-2257(E)	USDA-ARS	37.2	48.9	43.0	39.5	58.7	49.1		46.1
DB06-3442(E)	USDA-ARS	36.0	49.6	42.8	42.7	63.0	52.8		47.8
Glenn	VA Tech	42.5	52.1	47.3	51.1	66.1	58.6		52.9
Overall Mean		42.0	50.1	46.1	42.7	59.8	51.2		48.6
LSD (.10)		6.7	6.0		7.0	6.4			
Error degrees of freedom		52.0	52.0		52.0	52.0			
CV (%)		11.7	8.8		12.0	7.9			
R^2 (%)		62.0	67.7		68.3	72.1			

[1](E) = Experimental.

Table 3. Summary of Yields for Maturity Group IV Early Roundup Ready for the 2011 Mississippi Soybean Variety Trials.

Variety	Brand	Clarksdale Irr.	Clarksdale Nonirr.	Longwood	Stoneville Irr.	Stoneville Cotton	Delta Avg.	Brooksville	Falkner	Olive Branch	Raymond	Hills Avg.	Overall Avg.
		bu/A	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*
AG4531	Asgrow	73.6	57.9	56.2	76.0	65.4	65.8	50.0	69.1	72.5	32.6	56.0	60.9
AG4632	Asgrow	72.0	65.1	47.0	71.2	72.9	65.7	53.2	80.2	73.7	42.8	62.4	64.1
R2C4520	Croplan Genetics	68.5	49.5	38.1	66.1	76.3	59.7	43.7	63.8	69.3	30.0	51.7	55.7
DG 4670RR2	Delta Grow	70.1	54.5	53.6	66.1	73.7	63.6	55.2	63.0	67.2	27.9	53.3	58.5
DG4460RR	Delta Grow	65.5	54.3	33.2	62.4	78.1	58.7	43.5	62.0	65.6	19.7	47.7	53.2
31RY45	Dyna-Gro	64.8	51.8	52.5	66.6	70.4	61.2	50.8	64.0	73.4	29.3	54.4	57.8
34RY46	Dyna-Gro	69.7	63.1	46.2	71.4	72.0	64.5	53.8	60.3	69.8	26.5	52.6	58.5
HBK R4527	Hornbeck	60.7	48.2	34.8	61.7	60.8	53.2	53.7	58.2	64.3	33.7	52.5	52.9
HBK RY4620	Hornbeck	63.8	49.3	41.0	68.0	67.8	58.0	52.0	62.4	67.1	26.5	52.0	55.0
Phoenix 1245 RR2Y	Merschman	70.4	60.5	53.0	63.2	74.2	64.3	53.4	71.3	66.8	33.3	56.2	60.2
46X29	Morsoy Xtra	69.6	67.5	50.4	75.6	72.2	67.1	55.7	57.5	72.2	31.6	54.3	60.7
46X71	Morsoy Xtra	70.0	58.5	52.7	66.0	74.4	64.3	57.4	65.8	70.1	27.1	55.1	59.7
S44-D5 Brand	NK Brand	66.5	61.6	38.3	61.1	79.4	61.3	48.8	59.6	68.4	30.3	51.8	56.6
93Y92	Pioneer	58.8	38.4	50.8	64.8	77.9	58.1	38.6	61.3	66.4	16.9	45.8	52.0
94Y40	Pioneer	62.0	58.5	42.8	70.1	77.9	62.2	51.7	66.0	71.4	25.2	53.6	57.9
94Y50	Pioneer	63.9	57.1	44.7	67.1	76.3	61.8	42.9	66.8	68.8	42.0	55.1	58.5
94Y61	Pioneer	57.9	49.3	46.2	60.7	71.4	57.1	42.5	53.8	62.8	24.7	45.9	51.5
Progeny 4211RY	Progeny	69.4	69.6	45.8	72.9	80.7	67.7	50.5	69.7	77.5	18.8	54.1	60.9
Progeny 4510RY	Progeny	70.1	55.8	54.0	76.0	71.7	65.5	57.5	64.7	66.7	33.6	55.6	60.6
Progeny 4611RY	Progeny	73.7	65.4	52.2	67.6	70.9	66.0	56.7	57.6	72.8	29.5	54.2	60.1
44R22 TM	REVR	65.0	51.7	37.2	59.6	74.6	57.6	55.2	62.0	67.3	32.0	54.1	55.9
45R10 TM	REVR	63.8	49.7	31.7	58.6	65.9	53.9	48.3	59.4	64.0	30.6	50.6	52.3
457.RCP	Schillinger	63.9	54.2	35.4	63.0	63.0	55.9	51.6	64.3	68.0	27.3	52.8	54.4
458.RCS	Schillinger	62.8	43.4	34.4	60.5	71.9	54.6	44.9	64.4	67.7	24.2	50.3	52.4
74C69	USG	66.0	48.7	40.6	64.9	62.8	56.6	48.6	53.6	58.8	28.8	47.4	52.0
Overall Mean		66.5	55.3	44.5	66.5	71.1	61.0	50.3	63.2	68.5	29.0	52.8	56.9
LSD (.10)		7.3	8.3	5.4	7.5	7.4		4.9	10.7	5.0	7.8		
Error degrees of freedom		48.0	48.0	48.0	48.0	48.0		48.0	48.0	48.0	48.0		
CV (%)		8.0	10.9	8.8	8.2	7.5		7.0	12.3	5.3	19.1		
R^2 (%)		61.0	76.3	87.4	58.8	60.5		83.5	55.9	82.2	66.4		

Table 4. Summary of Yields for Maturity Group IV Late Roundup Ready for the 2011 Mississippi Soybean Variety Trials.[1]

Variety	Brand	Clarksdale Irr.	Clarksdale Nonirr.	Longwood	Stoneville Irr.	Stoneville Cotton	Delta Avg.	Brooksville	Falkner	Olive Branch	Raymond	Hills Avg.	Overall Avg.
		bu/A	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*
X1208	Armor	63.7	58.6	45.1	69.3	64.1	59.1	47.2	65.6	60.6	35.8	52.3	55.7
X1209	Armor	67.6	58.1	48.5	66.2	66.1	59.4	49.0	62.1	66.9	39.7	54.4	56.9
X1210	Armor	62.4	55.6	43.6	68.8	63.2	57.3	47.8	58.5	63.1	38.4	52.0	54.7
X1211	Armor	62.7	63.3	40.4	70.7	56.6	58.9	54.6	67.8	63.6	40.7	56.7	57.8
AG 4832	Asgrow	65.8	59.8	47.2	75.0	61.8	60.7	51.5	56.8	66.1	40.5	53.7	57.2
AG 4932	Asgrow	66.0	59.2	51.2	59.7	58.9	57.6	52.7	65.9	66.6	33.5	54.7	56.2
AG4730	Asgrow	67.7	60.5	52.1	72.7	61.2	61.4	56.2	57.1	66.9	38.5	54.7	58.0
AG4732	Asgrow	65.1	60.3	48.1	62.6	59.3	58.1	48.7	62.8	70.2	37.0	54.7	56.4
R2T4799S	Croplan Genetics	72.0	67.4	58.6	70.9	64.3	65.7	56.4	63.7	67.5	40.1	56.9	61.3
RC 4757S	Croplan Genetics	60.0	58.8	42.4	62.5	65.6	57.6	49.6	63.8	55.8	31.9	50.3	53.9
RC 4877	Croplan Genetics	58.6	53.2	41.2	64.1	58.3	54.0	51.2	59.9	67.5	36.6	53.8	53.9
DG 4470RR/STS	Delta Grow	63.7	66.4	32.6	65.4	65.6	59.3	47.6	64.5	65.1	33.9	52.8	56.0
DG 4875RR2	Delta Grow	63.4	63.6	40.0	68.4	61.6	59.4	45.7	55.0	59.9	40.5	50.3	54.9
DG 4880RR	Delta Grow	65.4	66.8	31.5	68.7	65.3	59.8	45.1	63.3	63.3	35.8	51.9	55.8
DG 4970RR	Delta Grow	63.5	63.5	35.0	63.9	57.2	56.6	53.4	60.7	66.2	35.1	53.8	55.2
DG4975RR	Delta Grow	58.1	53.9	45.0	64.2	61.8	55.8	54.0	54.8	72.5	34.4	53.9	54.8
DKR 4744s	Delta King	68.9	66.2	40.3	75.8	63.4	62.4	55.6	59.8	70.0	44.3	57.4	59.9
33RY47	Dyna-Grow	61.2	58.1	43.1	65.0	60.9	57.0	45.7	60.4	61.6	34.6	50.6	53.8
DG 33G48	Dyna-Grow	64.9	53.7	36.8	68.9	58.0	54.2	47.0	60.6	63.5	38.2	52.3	53.3
HBK R4729	Hornbeck	58.7	47.3	37.1	62.6	54.4	49.7	52.3	50.5	57.2	40.7	50.2	49.9
HBK R4829	Hornbeck	65.0	59.8	37.5	62.2	56.3	55.1	49.5	56.5	66.0	29.2	50.3	52.7
HBK R4830	Hornbeck	62.4	61.5	34.2	65.5	58.8	56.3	49.9	53.3	56.9	31.5	47.9	52.1
HBK R4924	Hornbeck	63.1	60.9	37.6	62.2	61.3	56.6	53.2	60.0	60.3	42.0	53.9	55.2
HBK RY4721	Hornbeck	64.2	62.3	43.1	69.3	64.4	60.3	53.4	64.7	70.6	32.4	55.3	57.8
MorSoy RT4707	MorSoy	56.4	58.0	39.6	64.2	57.7	55.5	49.3	54.9	70.3	42.2	54.2	54.8
RTS 4824	Morsoy	67.0	65.3	41.7	68.3	55.5	59.2	52.3	54.6	63.4	36.7	51.7	55.5
47X31	Morsoy Xtra	59.3	60.3	50.9	66.7	59.8	59.6	49.7	60.6	67.4	43.5	55.3	57.4
48X00	Morsoy Xtra	67.2	64.9	40.0	66.5	61.2	59.5	52.5	60.5	66.5	36.5	54.0	56.7

[1](E) = Experimental.

Table 4 (cont.). Summary of Yields for Maturity Group IV Late Roundup Ready for the 2011 Mississippi Soybean Variety Trials.[1]

Variety	Brand	Clarksdale Irr.	Clarksdale NonIrr.	Longwood	Stoneville Irr.	Stoneville Cotton	Delta Avg.	Brooksville	Falkner	Olive Branch	Raymond	Hills Avg.	Overall Avg.
		bu/A	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*
49X10	Morsoy Xtra	58.9	61.6	41.7	66.4	57.1	57.7	52.8	64.5	70.8	42.4	57.6	57.6
NK S47-R3 Brand	NK Brand	61.4	60.3	39.4	58.5	52.7	54.3	53.6	63.1	67.9	26.8	52.8	53.6
S49-H7 Brand	NK Brand	60.5	51.6	39.0	60.0	55.1	51.4	52.3	60.2	64.0	36.3	53.2	52.3
94Y70	Pioneer	64.7	63.2	41.8	68.7	68.4	61.1	47.7	63.3	71.7	32.8	53.9	57.5
94Y80	Pioneer	65.9	60.6	37.4	68.7	63.1	58.0	56.3	61.8	67.7	48.1	58.5	58.3
94Y90	Pioneer	61.8	61.6	44.4	69.1	65.5	60.4	49.7	67.5	67.1	38.6	55.7	58.1
Progeny 4710RY (E)	Progeny	63.2	59.5	52.9	71.3	60.7	60.8	60.9	65.7	65.6	38.2	57.6	59.2
Progeny 4807RR	Progeny	57.9	57.5	36.2	66.4	58.3	55.2	54.8	56.0	68.0	41.6	55.1	55.1
Progeny 4750 RR	Progeny	66.4	55.4	41.4	65.6	59.5	55.5	50.3	60.3	61.2	34.2	51.5	53.5
Progeny 4811RY	Progeny	67.9	55.1	46.6	69.8	59.4	57.2	51.2	59.1	63.5	40.9	53.7	55.4
Progeny 4906RR	Progeny	67.6	57.6	42.3	66.2	55.5	55.8	64.4	63.4	70.5	42.7	60.2	58.0
Progeny 4908RR (E)	Progeny	68.1	59.6	37.5	63.9	57.5	55.6	60.2	64.9	63.4	41.9	57.6	56.6
Progeny 4911RY	Progeny	57.7	63.7	45.3	62.0	52.6	57.5	52.8	52.2	67.3	40.2	53.1	55.3
46R73 TM	REV ™	64.9	54.0	41.7	65.4	65.1	56.1	51.5	62.0	55.5	31.0	50.0	53.0
47R22 TM	REV ™	66.1	63.4	37.6	66.4	62.9	58.7	50.1	51.6	61.5	35.5	49.7	54.2
47R53 TM	REV ™	68.9	61.7	44.4	69.0	58.8	59.1	48.4	68.6	68.1	41.7	56.7	57.9
48R10 TM	REV ™	60.0	46.9	34.9	61.7	59.1	49.9	53.1	61.5	55.2	40.9	52.7	51.3
48R22 TM	REV ™	62.4	61.7	35.0	62.4	60.2	56.2	49.4	54.9	55.4	40.4	50.0	53.1
48R33 TM	REV ™	65.7	68.0	49.8	67.7	65.8	63.9	52.5	67.7	68.6	45.6	58.6	61.2
49R11 TM	REV ™	55.4	66.7	20.3	63.9	65.1	56.5	52.5	61.2	57.4	42.3	53.4	54.9
49R22 TM	REV ™	57.7	59.9	32.8	62.8	54.9	54.1	48.8	58.6	64.2	43.1	53.7	53.9
49R43 TM	REV ™	65.6	63.7	40.4	71.5	63.0	60.4	49.3	60.3	62.7	33.5	51.4	55.9
478.RCS	Schillinger	64.1	61.7	35.0	64.5	65.1	57.6	49.7	56.8	67.4	38.7	53.1	55.4
495.RC	Schillinger	62.9	59.7	39.2	68.2	60.2	57.4	50.9	56.3	69.6	36.4	53.3	55.3
4990.RC	Schillinger	56.1	57.4	34.8	62.9	50.8	52.7	46.5	61.4	68.8	48.5	56.3	54.5
48RC32	Stine	61.3	59.8	45.1	66.3	60.8	58.4	47.1	63.1	63.1	39.1	53.1	55.7
S08-14087RR	Univ. of Missouri	66.5	61.6	40.9	62.8	63.9	58.1	53.1	57.4	68.0	30.3	52.2	55.2
74H81	USG	68.0	66.2	40.8	73.7	59.1	61.2	55.5	67.2	70.9	38.5	58.0	59.6
USG 7495nRS	USG	58.5	59.3	41.5	67.5	55.6	56.7	50.6	57.5	66.8	46.6	55.4	56.0
USG 74A79	USG	65.0	57.7	42.3	67.8	60.2	57.1	60.2	63.1	67.5	44.9	58.9	58.0
USG 74F96	USG	53.1	57.2	41.0	59.3	50.6	53.1	47.0	64.5	68.4	46.0	56.5	54.8
Overall Mean		63.2	60.0	41.1	66.3	60.2	57.5	51.6	60.5	65.1	38.5	54.0	55.7
LSD (.10)		6.1	9.7	5.1	5.8	4.7		6.0	8.2	5.9	9.1		
Error degrees of freedom		116.0	116.0	116.0	116.0	116.0		116.0	116.0	116.0	116.0		
CV (%)		7.1	12.0	9.1	6.4	5.8		8.6	10.0	6.7	17.5		
R^2 (%)		54.4	43.0	83.6	55.0	68.0		60.5	45.3	76.7	47.0		

[1](E) = Experimental.

Table 5. Summary of Yields for Maturity Group V Early Roundup Ready for the 2011 Mississippi Soybean Variety Trials.[1]

Variety	Brand	Clarksdale Irr.	Longwood Irr.	Stoneville Irr.	Stoneville Cotton	Delta Avg.	Brooksville	Falkner	Olive Branch	Raymond	Hills Avg.	Overall Avg.
		bu/A	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*
AGS 554RR	AGS	61.8	40.5	56.6	57.1	54.0	39.9	55.7	61.1	34.8	47.9	50.9
AGS 568RR	AGS	62.3	38.6	49.1	48.5	49.6	32.3	59.6	62.9	41.4	49.0	49.3
53-R15	Armor	62.0	30.6	58.1	63.6	53.6	43.3	53.5	62.1	39.6	49.6	51.6
X1213	Armor	56.2	37.0	48.7	56.8	49.7	43.3	61.2	55.2	43.9	50.9	50.3
X1215	Armor	66.0	39.7	49.6	44.7	50.0	38.2	59.7	62.1	42.2	50.5	50.3
X1216	Armor	54.6	42.0	55.8	45.8	49.6	41.8	61.2	61.5	43.4	52.0	50.8
X1217	Armor	61.5	36.2	54.3	53.1	51.3	41.0	56.8	52.1	40.4	47.6	49.4
X1218	Armor	63.5	36.7	55.9	57.7	53.4	39.0	56.7	51.1	46.4	48.3	50.9
AG5232	Asgrow	55.1	40.6	54.7	56.4	51.7	46.2	55.8	54.9	36.9	48.5	50.1
AG5332	Asgrow	64.3	45.5	64.4	65.8	60.0	41.2	59.1	64.4	53.2	54.5	57.2
AG5532	Asgrow	64.4	45.7	57.1	63.3	57.6	39.4	51.7	65.4	38.0	48.7	53.1
AG5632	Asgrow	65.0	44.5	60.3	64.4	58.5	51.2	54.6	56.0	44.8	51.7	55.1
R2C5360	Croplan Genetics	52.3	34.6	55.2	50.3	48.1	43.9	47.0	56.3	40.7	47.0	47.5
RC 5007S	Croplan Genetics	60.3	41.6	51.1	56.9	52.5	35.1	55.6	58.4	34.1	45.8	49.1
DG 5110RR2	Delta Grow	56.7	50.9	57.5	52.8	54.5	50.2	53.9	58.0	45.7	52.0	53.2
DG 5252RR2	Delta Grow	61.2	30.5	47.7	55.1	48.6	41.3	54.5	64.1	28.3	47.1	47.8
DG 5275RR2	Delta Grow	63.5	35.2	57.5	61.5	54.4	43.5	60.7	60.7	43.1	52.0	53.2
DG 5280RR	Delta Grow	60.2	38.2	54.2	54.0	51.7	40.0	55.4	59.5	39.3	48.6	50.1
DG 5545RR	Delta Grow	62.4	42.6	49.8	55.8	52.6	35.7	58.2	59.8	35.6	47.3	50.0
DG 5555RR	Delta Grow	56.7	41.5	53.4	50.7	50.5	38.0	59.5	61.8	42.9	50.6	50.6

[1](E) = Experimental.

Table 5 (cont.). Summary of Yields for Maturity Group V Early Roundup Ready for the 2011 Mississippi Soybean Variety Trials.[1]

Variety	Brand	Clarksdale Irr.	Longwood Irr.	Stoneville Irr.	Stoneville Cotton	Delta Avg.	Brooksville	Falkner	Olive Branch	Raymond	Hills Avg.		Overall Avg.
		bu/A	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*		*bu/A*
DG 5565RR2	Delta Grow	63.8	32.6	51.9	53.8	50.5	44.8	59.3	53.7	40.9	49.7		50.1
DG 5656RR2	Delta Grow	53.9	40.0	51.2	52.0	49.3	40.8	55.4	54.9	35.1	46.6		47.9
DG5160RR/STS	Delta Grow	61.0	40.4	52.9	62.7	54.2	36.8	61.2	67.4	31.3	49.2		51.7
DG5300RR/STS	Delta Grow	56.8	37.0	51.4	55.9	50.3	33.1	53.6	60.9	31.4	44.7		47.5
DK 5363	Delta King	61.1	38.9	59.4	56.5	54.0	39.8	57.1	61.1	44.2	50.6		52.3
32RY55	Dyna-Gro	66.0	37.5	55.4	56.2	53.8	37.8	59.0	55.8	43.9	49.1		51.4
DG 35F55	Dyna-Gro	61.0	44.0	59.3	49.7	53.5	40.3	61.0	55.5	46.6	50.8		52.2
DG 35P53	Dyna-Gro	56.0	44.7	61.4	55.0	54.3	41.4	54.9	56.0	44.7	49.2		51.8
DG 37RY52	Dyna-Gro	64.1	32.8	54.6	61.9	53.4	43.6	52.7	61.2	32.9	47.6		50.5
HBK R5226	Hornbeck	61.8	37.9	52.1	52.3	51.0	35.9	54.1	52.5	36.0	44.6		47.8
HBK R5525	Hornbeck	62.0	39.5	52.8	54.9	52.3	37.7	55.5	51.3	34.9	44.8		48.6
HBK R5529	Hornbeck	64.1	34.3	57.0	67.2	55.6	34.1	56.9	66.4	31.3	47.2		51.4
HBK RY5121	Hornbeck	68.8	43.5	60.2	60.8	58.3	46.6	63.9	63.0	47.3	55.2		56.8
HBK RY5220	Hornbeck	63.4	31.8	51.4	55.2	50.4	42.6	55.6	55.5	34.3	47.0		48.7
HBK RY5221	Hornbeck	62.0	48.1	59.1	54.1	55.8	50.3	53.9	59.4	32.4	49.0		52.4
HBK RY5421	Hornbeck	61.4	32.6	48.5	56.7	49.8	43.8	62.7	57.0	33.1	49.1		49.5
HBK RY5521	Hornbeck	64.0	43.5	62.9	55.5	56.5	44.7	55.8	59.5	46.8	51.7		54.1
Everest 1251 RR2Y	Merschman	60.4	44.1	62.1	61.8	57.1	46.7	60.2	51.9	43.7	50.6		53.9
MorSoy RT5168N (E)	MorSoy	64.8	49.1	56.1	54.5	56.1	37.7	58.2	60.5	45.9	50.6		53.3
RT 5429N	MorSoy	60.0	34.6	56.7	58.8	52.6	38.0	58.1	54.5	34.5	46.3		49.4
51X31	Morsoy Xtra	59.7	40.2	57.1	64.3	55.3	47.0	55.3	56.0	36.0	48.6		52.0
53X51	Morsoy Xtra	58.6	38.8	50.9	45.9	48.6	36.4	55.0	60.3	47.1	49.7		49.1
54X41	Morsoy Xtra	58.3	36.7	53.5	57.9	51.6	45.2	60.8	52.7	50.2	52.2		51.9
NK S56-G6 Brand	NK Brand	61.4	28.8	46.9	45.4	45.6	35.3	55.5	59.8	33.2	45.9		45.8
S54-V4 Brand	NK Brand	60.7	42.8	55.4	55.7	53.6	40.5	61.7	53.9	39.0	48.8		51.2
95Y40	Pioneer	67.0	37.1	50.4	65.6	55.0	39.9	57.4	65.3	39.3	50.5		52.8
95Y01	Pioneer	62.7	47.6	53.5	59.8	55.9	31.3	60.6	67.4	39.5	49.7		52.8
95Y30	Pioneer	61.9	41.4	53.3	62.3	54.7	37.3	54.7	58.3	40.2	47.6		51.2
Progeny 5210RY (E)	Progeny	56.0	35.5	55.3	59.1	51.5	43.2	53.2	56.9	43.0	49.1		50.3
Progeny 5330RR	Progeny	58.4	42.0	63.2	55.6	54.8	44.3	56.9	65.1	54.2	55.1		55.0
Progeny 5610RY (E)	Progeny	62.9	37.8	56.0	58.6	53.8	50.6	56.1	57.6	47.6	53.0		53.4
Progeny 5111RY	Progeny	55.1	38.3	57.8	64.7	54.0	48.0	56.6	47.1	43.5	48.8		51.4
Progeny 5321RY	Progeny	61.5	43.8	52.2	45.0	50.6	36.1	49.8	54.0	42.3	45.6		48.1
Progeny 5622RR	Progeny	63.3	44.4	55.5	59.3	55.6	38.2	59.0	61.8	50.4	52.3		54.0
Progeny 5650RR	Progeny	63.5	42.4	51.2	55.0	53.0	36.3	59.4	66.2	36.8	49.7		51.4
Progeny 5655RY	Progeny	57.7	40.9	52.9	59.1	52.6	42.3	53.2	60.3	43.7	49.9		51.3
51R53 TM	REV	62.3	53.1	63.6	62.1	60.3	44.3	61.1	58.3	47.2	52.7		56.5
56R63 TM	REV	62.2	46.9	58.4	61.2	57.2	44.7	58.7	59.8	34.8	49.5		53.3
55R21 TM	REV	62.6	40.0	51.9	51.5	51.5	40.0	39.2	62.4	39.4	45.3		48.4
56R21 TM	REV	61.4	39.5	54.8	61.6	54.3	43.0	59.4	58.0	40.0	50.1		52.2
5220.RC	Schillinger	62.4	43.9	60.0	54.1	55.1	40.8	58.3	63.0	39.4	50.4		52.7
557.RC	Schillinger	62.2	36.2	49.2	50.3	49.5	33.9	56.8	59.0	32.5	45.5		47.5
USG 75Z38	USG	61.4	43.9	51.7	56.6	53.4	36.3	58.7	60.0	43.3	49.6		51.5
Overall Mean		61.2	40.1	55.0	56.4	53.1	40.8	56.8	58.9	40.5	49.2		51.2
LSD (.10)		7.5	5.6	4.8	4.5		6.0	6.0	7.4	8.4			
Error degrees of freedom		124.0	124.0	124.0	124.0		124.0	124.0	124.0	124.0			
CV (%)		9.1	10.3	6.4	5.9		10.8	7.8	9.3	15.4			
R^2 (%)		37.8	71.8	70.5	80.4		63.9	59.2	69.5	58.3			

[1](E) = Experimental.

Table 6. Summary of Yields for Maturity Group V Late Roundup Ready for the 2011 Mississippi Soybean Variety Trials.

Variety	Brand	Clarksdale Irr.	Longwood Irr.	Stoneville Irr.	Stoneville Cotton	Delta Avg.	Brooksville	Falkner	Olive Branch	Raymond	Hills Avg.		Overall Avg.
		bu/A	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*		*bu/A*
AGS 597	AGS	60.7	43.7	57.9	50.8	53.3	37.1	57.2	58.5	41.9	48.7		51.0
AGS 606RR	AGS	60.4	34.4	47.6	40.6	45.7	37.6	48.6	61.7	29.6	44.4		45.1
AG5831	Asgrow	63.3	40.9	55.4	53.1	53.2	40.4	51.3	51.5	33.1	44.1		48.6
AG5832	Asgrow	58.0	39.7	47.7	42.7	47.0	33.0	53.8	56.6	31.6	43.7		45.4
39RY57	Dyna-Gro	69.0	49.6	56.4	52.9	57.0	44.7	63.9	55.7	33.1	49.3		53.2
NK S57-K3 Brand	NK Brand	58.0	36.7	49.7	50.4	48.7	33.8	61.2	59.3	29.8	46.0		47.4
95Y70	Pioneer	60.5	39.7	51.3	44.9	49.1	39.2	55.7	52.1	34.0	45.2		47.2
Progeny 5711RY	Progeny	65.1	45.2	51.8	60.7	55.7	45.8	60.2	53.3	40.0	49.8		52.8
Progeny 5811RY	Progeny	62.6	43.5	52.0	56.0	53.5	42.5	53.2	57.5	30.9	46.0		49.8
57R21 ™	REV	60.0	36.6	48.6	61.3	51.6	40.0	53.4	48.5	31.8	43.4		47.5
USG 75Z98	USG	60.1	41.9	56.4	52.2	52.7	36.4	55.9	51.1	42.6	46.5		49.6
Overall Mean		61.6	41.1	52.2	51.4	51.6	39.1	55.9	55.1	34.4	46.1		48.9
LSD (.10)		4.1	4.5	4.4	5.9		5.6	5.1	4.7	6.3			
Error degrees of freedom		20.0	20.0	20.0	20.0		20.0	20.0	20.0	20.0			
CV (%)		4.7	7.8	5.9	8.1		10.1	6.5	6.0	13.0			
R^2 (%)		65.9	74.4	71.5	81.5		65.7	71.2	79.6	67.2			

Table 7. Summary of 2-Year Yields for Maturity Group IV Conventional for the 2010 and 2011 Mississippi Soybean Variety Trials.

Variety	Brand	Longwood Irr.	Stoneville Irr.	Delta Avg.	Brooksville	Falkner	Hills Avg.		Overall Avg.
		bu/A	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*		*bu/A*
DG 4861LL	Delta Grow	56.8	57.0	56.9	40.7	63.4	52.1		54.5
HBK C4926	Hornbeck	54.4	58.0	56.2	40.4	65.5	53.0		54.6
HBK C4929	Hornbeck	57.9	62.8	60.4	36.9	67.4	52.2		56.3
MIAMI 949LL	Merschman	55.3	64.5	59.9	40.3	68.9	54.6		57.3
Progeny 4928LL	Progeny	52.7	64.2	58.5	33.7	71.8	52.8		55.6
Progeny P4910	Progeny	55.7	60.5	58.1	38.1	70.1	54.1		56.1
UA 4910	Public	45.2	53.8	49.5	32.0	63.8	47.9		48.7
Y227-1 (E)	Public	54.0	58.7	56.4	37.9	63.1	50.5		53.4
Halo 4:65	US Seeds	41.3	47.3	44.3	39.8	58.1	49.0		46.6
Halo 4:94	US Seeds	46.2	58.7	52.5	37.8	60.6	49.2		50.8
Overall Mean		52.0	58.6	55.3	37.8	65.3	51.5		53.4

Table 8. Summary of 2-Year Yields for Maturity Group V Conventional for the 2010 and 2011 Mississippi Soybean Variety Trials.[1]

Variety	Brand	Longwood	Stoneville	Delta Avg.	Brooksville	Falkner	Hills Avg.		Overall Avg.
		bu/A	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*		*bu/A*
DG 5461RR	Delta Grow	56.2	56.5	56.3	28.9	63.2	46.0		51.2
HBK C5025	Hornbeck	48.6	53.0	50.8	29.6	63.7	46.7		48.7
HBK C5528	Hornbeck	47.0	54.5	50.8	28.7	70.8	49.8		50.3
CB 5209	Morsoy	51.0	53.5	52.2	30.9	68.8	49.8		51.0
Progeny 5160LL (E)	Progeny	47.9	57.9	52.9	29.2	60.6	44.9		48.9
Progeny 5460LL (E)	Progeny	54.8	55.1	55.0	26.2	66.2	46.2		50.6
Progeny 5960LL (E)	Progeny	50.0	54.0	52.0	32.7	59.3	46.0		49.0
Progeny P5770	Progeny	56.1	58.2	57.2	34.9	74.2	54.5		55.8
DB06-2257 (E)	Public	51.6	54.4	53.0	31.8	65.3	48.6		50.8
DB03-8416 (E)	USDA-ARS	56.5	57.9	57.2	33.6	61.1	47.4		52.3
DB04-10836 (E)	USDA-ARS	57.2	59.0	58.1	33.2	68.4	50.8		54.5
Osage	University of Arkansas	46.7	66.8	56.8	35.6	69.3	52.5		54.6
Ozark	University of Arkansas	35.4	53.4	44.4	31.7	69.4	50.6		47.5
Halo 5:25	US Seeds	49.9	58.4	54.1	31.9	65.7	48.8		51.4
Halo 5:65	US Seeds	48.1	52.1	50.1	30.6	59.3	45.0		47.5
Overall Mean		49.7	55.1	52.4	30.6	65.5	48.1		50.2

[1](E)=Experimental.

Table 9. Summary of 2-Year Yields for Maturity Group IV Early Roundup Ready for the 2010 and 2011 Mississippi Soybean Variety Trials.[1]

Variety	Brand	Clarksdale Irr.	Clarksdale Nonirr.	Longwood Irr.	Stoneville Irr. (clay)	Stoneville Irr. (cotton)	Delta Avg.	Brooksville	Falkner	Olive Branch	Raymond	Hills Avg.	Overall Avg.
		bu/A	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*
AG4531	Asgrow	73.5	34.4	67.0	74.8	65.7	63.1	37.3	66.9	59.3	49.4	53.2	58.1
DG 34RY46	Dyna-Gro	71.5	37.2	57.2	72.2	68.0	61.2	40.2	66.6	56.9	48.6	53.1	57.1
HBK R4527	Hornbeck	61.8	30.4	51.0	59.9	57.8	52.2	38.9	61.2	56.1	44.8	50.3	51.2
NK S44-D5 Brand	NK Brand	67.0	37.7	49.8	64.0	69.8	57.7	31.1	63.3	53.8	46.0	48.6	53.1
93Y92	Pioneer	61.3	27.0	48.8	60.8	71.4	53.9	26.7	66.1	55.6	38.3	46.7	50.3
94Y40	Pioneer	64.2	32.1	52.8	66.9	73.2	57.9	35.2	71.7	61.2	48.1	54.0	55.9
P4510RY (E)	Progeny	70.5	33.4	63.2	76.7	65.5	61.9	38.1	66.9	55.1	51.9	53.0	57.4
44R22 TM	REV™	68.2	31.5	50.9	61.5	70.9	56.6	35.4	66.4	64.4	48.7	53.7	55.2
45R10TM	REV™	62.3	28.0	42.8	59.5	60.7	50.7	33.3	64.0	56.1	42.3	48.9	49.8
457.RCP	Schillinger	65.2	30.3	50.0	62.1	58.5	53.2	37.6	65.3	56.3	43.1	50.6	51.9
458.RCS (E)	Schillinger	66.2	29.1	45.1	62.7	67.5	54.1	32.4	69.2	54.2	47.6	50.9	52.5
USG 74C69R	USG	65.7	27.6	50.2	63.8	59.9	53.4	36.9	59.2	56.4	41.0	48.4	50.9
Overall Mean		60.3	28.7	46.8	59.2	60.3	51.1	32.2	60.0	52.2	41.7	46.5	48.8

[1](E)=Experimental.

Table 10. Summary of 2-Year Yields for Maturity Group IV Late Roundup Ready for the 2010 and 2011 Mississippi Soybean Variety Trials.[1]

Variety	Brand	Clarksdale Irr.	Clarksdale Nonirr.	Longwood Irr.	Stoneville Irr. (clay)	Stoneville Irr. (cotton)	Delta Avg.	Brooksville	Falkner	Olive Branch	Raymond	Hills Avg.	Overall Avg.
		bu/A	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*
AG4730	Asgrow	65.6	37.3	60.4	70.6	62.6	59.3	43.1	63.4	60.3	51.2	54.5	56.9
RC 4757	Croplan Genetics	63.3	34.5	50.1	64.7	60.9	54.7	38.8	68.0	57.6	49.7	53.5	54.1
RC 4877	Croplan Genetics	69.0	41.9	48.7	72.4	64.2	59.2	35.4	63.8	59.6	54.4	53.3	56.3
DG 4880RR	Delta Grow	65.6	37.7	48.3	64.0	58.3	54.8	37.4	64.4	59.3	48.4	52.4	53.6
DG 4970RR	Delta Grow	63.4	38.9	50.6	62.2	59.5	54.9	37.4	66.5	53.8	50.0	52.0	53.4
DG4975LARR	Delta Grow	66.9	33.6	56.4	67.2	55.9	56.0	47.2	63.0	59.5	50.0	54.9	55.4
DKR 4744s	Delta King	65.3	30.9	54.4	68.2	58.2	55.4	39.4	56.8	51.4	55.1	50.7	53.0
DG 33G48	Dyna-Gro	67.5	41.2	47.6	68.5	65.3	58.0	33.5	66.5	63.2	50.5	53.4	55.7
HBK R4829	Hornbeck	69.0	41.2	61.7	71.3	60.7	60.8	40.4	64.4	60.5	49.3	53.7	57.2
HBK R4924	Hornbeck	64.0	37.3	56.5	68.1	62.7	57.7	39.4	62.5	60.0	50.9	53.2	55.5
MorSoy RT4707N	MorSoy	64.6	39.8	45.4	67.5	64.6	56.4	29.9	62.5	58.0	48.1	49.6	53.0
MorSoy RTs4824	MorSoy	59.3	35.7	59.5	69.5	56.4	56.1	40.8	66.8	61.4	52.1	55.3	55.7
NK S47-R3 Brand	NK Brand	62.5	35.0	47.0	66.4	58.6	53.9	38.1	60.3	55.5	41.7	48.9	51.4
S49-H7 Brand	NK Brand	64.0	35.0	51.0	63.6	56.9	54.1	42.0	63.7	55.7	54.7	54.0	54.1
94Y70	Pioneer	64.9	39.9	53.1	68.6	66.3	58.5	36.5	71.3	58.4	50.9	54.3	56.4
94Y80	Pioneer	62.7	38.5	50.5	62.1	58.4	54.4	42.7	64.5	55.7	50.8	53.4	53.9
94Y90	Pioneer	65.3	40.8	50.1	65.2	59.3	56.2	42.5	67.3	60.1	53.8	55.9	56.0
Progeny 4710RY (E)	Progeny	68.3	37.8	54.6	68.2	55.0	56.8	39.3	59.1	59.1	46.7	51.1	53.9
P4750RR	Progeny	67.2	41.4	53.2	65.9	66.4	58.8	39.0	64.4	60.5	49.1	53.3	56.0
Progeny 4807RR	Progeny	62.4	36.4	52.7	65.4	58.2	55.0	33.5	62.6	57.3	57.8	52.8	53.9
Progeny 4906RR	Progeny	62.0	37.5	54.7	66.4	57.4	55.6	42.4	62.2	59.6	53.0	54.3	54.9
Progeny 4908RR (E)	Progeny	56.6	38.5	48.8	65.5	59.8	53.8	41.0	64.2	62.5	54.8	55.6	54.7
47R22 TM	REV ™	63.9	39.7	50.4	62.8	60.7	55.5	32.5	62.5	50.9	48.5	48.6	52.0
48R22 TM	REV ™	63.1	40.9	44.0	60.3	58.5	53.4	35.5	65.0	57.9	52.5	52.7	53.0
49R22 TM	REV ™	66.8	38.1	55.5	67.1	59.9	57.5	39.8	64.0	57.2	53.5	53.6	55.5
48R10TM	REV™	60.2	41.1	41.6	63.5	58.4	53.0	36.4	65.2	52.6	54.9	52.3	52.6
49R11TM	REV™	57.5	37.0	45.8	59.1	53.2	50.5	33.6	63.1	59.3	53.1	52.3	51.4
478.RCS	Schillinger	62.6	33.9	57.4	62.7	53.6	54.0	32.7	67.1	60.5	52.7	53.3	53.6
495.RC	Schillinger	59.0	35.2	55.0	64.4	58.3	54.4	38.5	61.7	62.9	49.0	53.0	53.7
4990.RC	Schillinger	61.1	32.7	51.3	61.8	57.8	52.9	38.3	64.3	60.0	51.8	53.6	53.3
Overall Mean		61.6	36.4	49.9	63.4	57.4	53.7	36.8	61.9	56.3	49.6	51.2	52.5

[1](E)=Experimental.

Table 11. Summary of 2-Year Yields for Maturity Group V Early Roundup Ready for the 2010 and 2011 Mississippi Soybean Variety Trials.[1]

Variety	Brand	Clarksdale	Longwood	Stoneville Irr. (clay)	Stoneville Irr. (cotton)	Delta Avg.	Brooksville	Falkner	Olive Branch	Raymond	Hills Avg.		Overall Avg.
		bu/A	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*		*bu/A*
AGS 554RR	AGS	65.7	48.6	57.6	57.0	57.2	27.4	63.4	70.5	57.3	54.7		55.9
AGS 568RR	AgSouth	65.7	43.2	54.7	54.3	54.5	28.9	67.7	65.5	57.8	55.0		54.7
RC 5007S	Croplan Genetics	64.0	43.3	58.4	57.2	55.7	27.5	62.1	49.9	50.8	47.6		51.7
DG 5275RR2	Delta Grow	69.6	44.1	65.0	61.0	59.9	32.2	66.5	56.7	56.9	53.0		56.5
DG 5280RR	Delta Grow	62.6	40.1	59.1	54.5	54.1	26.7	61.2	57.2	50.0	48.8		51.4
DG 5555RR	Delta Grow	62.7	45.4	59.0	51.4	54.6	32.8	64.8	56.7	57.5	53.0		53.8
DG5300RR	Delta Grow	64.0	42.7	58.0	58.7	55.9	25.4	57.4	57.2	54.2	48.6		52.2
DK 5363	Delta King	64.6	47.0	62.4	56.6	57.7	30.2	65.1	62.0	59.7	54.2		56.0
DG 35F55	Dyna-Gro	65.2	49.3	62.0	54.8	57.8	32.1	68.4	55.8	60.7	54.3		56.1
DG 35P53	Dyna-Gro	64.1	50.8	65.3	59.0	59.8	32.5	63.6	58.2	58.0	53.1		56.5
DG 37RY52	Dyna-Gro	66.3	45.6	63.1	63.8	59.7	32.0	59.9	59.4	54.3	51.4		55.6
HBK R5226	Hornbeck	64.0	41.9	59.5	54.5	54.9	27.1	57.5	56.0	51.0	47.9		51.4
HBK R5525	Hornbeck	62.7	42.0	55.4	57.9	54.5	27.9	65.1	53.0	52.8	49.7		52.1
HBK R5529	Hornbeck	67.9	42.9	59.8	64.2	58.7	25.7	63.7	59.2	48.9	49.4		54.0
HBK RY5220	Hornbeck	66.3	44.6	60.3	55.7	56.7	30.7	64.9	52.4	50.4	49.6		53.2
MorSoy RT5168N (E)	MorSoy	66.5	56.7	61.2	51.9	59.1	27.8	58.6	54.2	50.8	47.8		53.5
RT 5429N	MorSoy	64.5	41.9	61.5	58.4	56.6	30.9	66.8	53.2	53.2	51.0		53.8
NK S56-G6 Brand	NK Brand	62.5	37.3	55.3	49.8	51.2	26.8	62.3	58.7	44.6	48.1		49.7
95Y01	Pioneer	64.7	52.9	61.7	54.8	58.5	25.1	65.9	62.2	53.8	51.7		55.1
95Y30	Pioneer	67.4	49.5	62.4	62.8	60.5	28.6	61.2	53.3	57.3	50.1		55.3
Progeny 5210RY (E)	Progeny	67.0	45.3	64.6	63.7	60.2	35.5	59.7	55.4	60.1	52.7		56.4
Progeny 5330RR	Progeny	63.1	48.9	66.0	55.6	58.4	36.4	61.7	67.0	65.8	57.7		58.1
Progeny 5610RY (E)	Progeny	69.0	47.6	64.7	59.4	60.2	40.3	67.1	57.0	60.6	56.3		58.2
Progeny 5622RR	Progeny	68.9	48.6	60.3	57.9	58.9	30.0	65.6	65.4	63.0	56.0		57.4
Progeny 5650RR	Progeny	65.6	47.2	56.9	59.2	57.2	29.3	66.7	56.9	54.1	51.7		54.5
55R21 TM	REV ™	64.7	42.0	58.5	52.4	54.4	32.0	58.7	61.9	58.8	52.9		53.6
56R21 TM	REV ™	68.2	45.8	61.8	63.0	59.7	35.9	63.7	55.8	57.1	53.2		56.4
557.RC	Schillinger	61.1	41.0	57.0	56.2	53.8	24.0	63.8	54.9	49.1	47.9		50.9
Overall Mean		58.8	40.9	54.5	51.6	51.4	27.1	57.0	51.8	49.7	46.4		48.9

[1](E)=Experimental.

Table 12. Summary of 2-Year Yields for Maturity Group V Late Roundup Ready for the 2010 and 2011 Mississippi Soybean Variety Trials.

Variety	Brand	Clarksdale	Longwood	Stoneville Irr. (clay)	Stoneville Irr. (cotton)	Delta Avg.	Brooksville	Falkner	Olive Branch	Raymond	Hills Avg.		Overall Avg.
		bu/A	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*		*bu/A*
AGS 597	AGS	67.6	50.8	62.7	52.8	58.5	35.0	59.2	52.8	54.5	50.4		54.4
AGS 606RR	AGS	62.6	42.8	51.5	42.3	49.8	28.9	59.7	50.2	48.3	46.8		48.3
AG5831	Asgrow	69.1	51.4	60.0	55.3	58.9	30.6	60.4	44.7	53.2	47.2		53.1
NK S57-K3 Brand	NK Brand	62.4	45.9	54.5	51.7	53.6	27.4	68.8	57.4	48.2	50.4		52.0
95Y70	Pioneer	63.6	46.1	54.5	46.4	52.6	32.3	57.2	51.3	50.4	47.8		50.2
57R21 TM	REV ™	67.1	43.9	57.3	62.4	57.7	31.1	62.8	44.1	52.1	47.5		52.6
Overall Mean		54.1	38.3	46.3	43.0	45.4	25.1	51.5	41.3	42.0	40.0		42.7

Table 13. Summary of 3-Year Yields for Maturity Group IV Conv. for the 2009, 2010, and 2011 Mississippi Soybean Variety Trials.

Variety	Brand	Longwood	Delta Avg.	Brooksville	Falkner	Hills Avg.		Overall Avg.
		bu/A	*bu/A*	*bu/A*	*bu/A*	*bu/A*		*bu/A*
HBK C4926	Hornbeck	57.5	57.5	44.4	68.3	56.3		56.9
HBK C4929	Hornbeck	55.5	55.5	44.4	68.4	56.4		56.0
MIAMI 949LL	Merschman	59.1	59.1	39.3	69.0	54.1		56.6
Progeny P4910	Progeny	55.2	55.2	41.9	66.8	54.4		54.8
Halo 4:65LL	US Seeds	50.7	50.7	32.4	69.8	51.1		50.9
Halo 4:94LL	US Seeds	57.0	57.0	41.4	70.1	55.7		56.4
Overall Mean		55.8	55.8	40.6	68.7	54.7		55.3

Table 14. Summary of 3-Year Yields for Maturity Group V Conventional for the 2009, 2010, and 2011 Mississippi Soybean Variety Trials.

Variety	Brand	Longwood	Stoneville Irr. (clay)	Delta Avg.	Brooksville	Falkner	Hills Avg.		Overall Avg.
		bu/A	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*		*bu/A*
HBK C5025	Hornbeck	51.3	49.7	50.5	36.3	72.2	54.3		52.4
HBK C5528	Hornbeck	42.5	53.6	48.1	36.5	73.3	54.9		51.5
Progeny P5770	Progeny	52.1	56.0	54.1	36.0	74.1	55.1		54.6
DB03-8416 (E)	USDA-ARS	51.3	52.6	52.0	39.1	70.6	58.9		53.4
DB04-10836 (E)	USDA-ARS	52.6	55.2	53.9	39.8	77.2	58.5		56.2
Osage	University of Arkansas	43.0	60.5	51.8	35.8	72.3	54.1		52.9
Halo 5:25LL	US Seeds	45.2	53.1	49.2	31.1	73.6	52.3		50.8
Halo 5:65LL	US Seeds	44.8	49.5	47.2	34.9	67.8	51.3		49.3
Overall Mean		47.2	52.4	49.8	35.0	72.2	53.6		51.7

Table 15. Summary of 3-Year Yields for Maturity Group IV Early Roundup Ready for the 2009, 2010, and 2011 Mississippi Soybean Variety Trials.[1]

Variety	Brand	Clarksdale Irr.	Clarksdale Nonirr.	Longwood Irr.	Delta Avg.	Brooksville	Falkner	Olive Branch	Hills Avg.		Overall Avg.
		bu/A	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*		*bu/A*
HBK R4527	Hornbeck	55.8	40.6	50.1	48.8	44.4	62.5	62.5	56.4		52.6
457.RCP	Schillinger	59.6	39.3	48.5	49.2	41.2	64.9	56.0	54.0		51.6
458.RCS (E)	Schillinger	59.0	35.6	40.1	44.9	34.4	70.5	63.0	56.0		50.4
NK S44-D5 Brand	NK Brand	56.9	41.2	47.4	48.5	35.9	68.9	57.8	54.2		51.4
Terral-REV 45R10 (E)	Terral-REV	58.4	36.8	42.9	46.0	39.6	63.9	62.6	55.4		50.7
Overall Mean		58.0	38.7	45.8	47.5	39.1	66.1	60.4	55.2		51.3

[1](E)=Experimental.

Table 16. Summary of 3-Year Yields for Maturity Group IV Late Roundup Ready for the 2009, 2010, and 2011 Mississippi Soybean Variety Trials.[1]

Variety	Brand	Clarksdale Irr.	Longwood	Delta Avg.	Brooksville	Falkner	Olive Branch	Hills Avg.		Overall Avg.
		bu/A	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*		*bu/A*
RC 4757	Croplan Genetics	57.5	49.4	53.4	36.0	74.2	56.5	55.5		54.5
RC 4877	Croplan Genetics	54.8	49.6	52.2	34.0	69.7	59.8	54.5		53.4
DG 4970RR	Delta Grow	58.1	47.4	52.8	36.9	72.2	57.1	55.4		54.1
DG4975LARR	Delta Grow	56.9	53.1	55.0	43.8	66.6	63.9	58.1		56.5
HBK R4924	Hornbeck	58.0	54.7	56.3	42.2	71.0	61.0	58.1		57.2
MorSoy RT4707N	MorSoy	56.7	47.4	52.1	28.0	64.2	58.3	50.2		51.1
S49-H7 Brand	NK Brand	56.2	48.5	52.3	35.8	70.8	58.9	55.2		53.8
94Y70	Pioneer	61.4	50.4	55.9	35.5	73.5	61.9	56.9		56.4
94Y80	Pioneer	61.6	51.6	56.6	44.9	73.0	64.1	60.6		58.6
94Y90	Pioneer	55.8	52.4	54.1	37.0	77.0	65.0	59.7		56.9
Progeny 4807RR	Progeny	54.9	47.5	51.2	33.7	68.1	59.7	53.8		52.5
Progeny 4906RR	Progeny	60.9	49.6	55.2	47.9	73.7	63.3	61.7		58.4
Progeny 4908RR (E)	Progeny	52.6	49.4	51.0	50.3	75.8	65.9	64.0		57.5
478.RCS	Schillinger	62.8	49.8	56.3	31.4	72.7	60.9	55.0		55.6
495.RC	Schillinger	55.0	50.9	53.0	36.8	70.4	62.8	56.6		54.8
4990.RC	Schillinger	56.1	51.1	53.6	35.6	73.1	68.4	59.0		56.3
Terral-REV 48R10 (E)	Terral-REV	59.4	49.1	54.3	35.4	68.5	54.7	52.9		53.6
Terral-REV 49R11 (E)	Terral-REV	53.9	39.4	46.7	36.8	64.1	55.6	52.2		49.4
Overall Mean		54.2	46.8	50.5	35.9	66.9	57.8	53.5		52.0

[1](E)= Experimental.

Table 17. Summary of 3-Year Yields for Maturity Group V Early Roundup Ready for the 2009, 2010, and 2011 Mississippi Soybean Variety Trials.[1]

Variety	Brand	Clarksdale	Longwood	Stoneville Irr. (clay)	Delta Avg.	Brooksville	Falkner	Olive Branch	Hills Avg.		Overall Avg.
		bu/A	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*		*bu/A*
AGS 554RR	AGS	58.5	46.9	55.1	53.5	33.2	68.9	76.7	59.6		56.5
AGS 568RR	AgSouth	58.2	42.6	54.0	51.6	31.9	70.1	67.3	56.4		54.0
RC 5007	Croplan Genetics	59.3	38.2	54.0	50.5	28.7	71.7	58.6	53.0		51.8
DG 5280RR	Delta Grow	56.7	39.1	54.0	49.9	27.1	64.7	61.8	51.2		50.6
DG 5555RR	Delta Grow	54.9	46.9	54.6	52.1	38.5	70.8	61.4	56.9		54.5
DG5300RR	Delta Grow	57.1	41.3	54.1	50.9	26.2	68.0	64.5	52.9		51.9
DK DKX 053 (E)	Delta King	57.5	40.1	58.6	52.1	33.9	66.5	69.3	56.6		54.3
DG 35F55	Dyna-Gro	58.4	49.4	58.0	55.2	38.0	73.7	60.0	57.3		56.2
HBK R5226	Hornbeck	54.6	41.2	55.1	50.3	33.4	65.7	65.0	54.7		52.5
HBK R5525	Hornbeck	53.4	41.6	52.7	49.2	29.3	67.4	61.9	52.9		51.0
MorSoy RT5168N (E)	MorSoy	61.1	48.1	57.1	55.4	28.8	65.0	60.8	51.5		53.5
95Y30	Pioneer	58.8	49.2	56.5	54.9	31.2	59.8	57.8	49.6		52.2
Progeny 5622RR	Progeny	59.9	47.8	59.9	55.9	32.7	71.6	71.2	58.5		57.2
Progeny 5650RR	Progeny	54.2	45.7	53.7	51.2	35.2	68.3	64.5	56.0		53.6
557.RC	Schillinger	57.6	39.4	52.1	49.7	25.0	73.8	61.1	53.3		51.5
Overall Mean		57.3	43.8	55.3	52.2	31.6	68.4	64.1	54.7		53.4

[1](E)=Experimental.

Table 18. Summary of 3-Year Yields for Maturity Group V Late Roundup Ready for the 2009, 2010, and 2011 Mississippi Soybean Variety Trials.

Variety	Brand	Clarksdale	Longwood	Stoneville Clay	Delta Avg.	Brooksville	Falkner	Olive Branch	Hills Avg.		Overall Avg.
		bu/A	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*	*bu/A*		*bu/A*
AGS 597	AGS	60.3	51.5	59.4	57.1	36.8	63.0	58.3	52.7		54.9
AGS 606RR	AGS	54.6	41.6	50.5	48.9	34.2	66.2	61.0	53.8		51.3
95Y70	Pioneer	54.9	46.5	52.7	51.4	41.3	61.6	61.5	54.8		53.1
Overall Mean		56.6	46.5	54.2	52.4	37.4	63.6	60.3	53.8		53.1

Location 1. MAFES Delta Branch, Stoneville (Clay)

Location Summary

The soybean plots were planted into a stale seedbed with adequate soil moisture. All plots quickly emerged to a good stand. The growing season was extremely dry, but timely irrigations maintained good soil moisture. Harvest was completed in a timely manner and excellent yields were observed.

Soil type:	**Sharkey clay**
Soil pH:	**7.0**
Soil fertility:	**P=H; K=H**
Fertilizer added:	**None**
Herbicide applications:	**Preemergence — Authority MTZ @ 12 oz/A, Dual II Magnum@ 1 pt/A, and Roundup Powermax @ 22 oz/A on May 10** **Postemergence — Roundup Ready – Roundup Powermax @ 22 oz/A and Firstrate @ 0.3 oz/A on June 16** **Postemergence —Conventional – Select @ 10 oz/A, Firstrate @ 0.6 oz/A, and Ultra Blazer @ 8 oz/A on June 16** **Postemergence (Layby) — Roundup Ready – Roundup Powermax @ 22 oz/A, Firstrate @ 0.302 oz/A, and Ultra Blazer @ 8 oz/A on July 7** **Postemergence (Layby) — Conventional – Select @ 10 oz/A, Cobra @ 10 oz/A, and Ultra Blazer @ 8 oz/A on July 7**
Irrigation dates:	**June 16, June 30, July 12, July 25, August 6, August 15, and August 27**
Planting date:	**May 10**
Previous crop:	**Soybeans**
Harvest date:	**Group IV Conventional and Roundup Ready on September 21; Group V Conventional and Roundup Ready on October 6**

Rainfall Summary

	Inches
March	0.60
April	6.31
May	2.76
June	1.58
July	1.96
August	2.41
September	3.96
October	0.00
Total	19.58

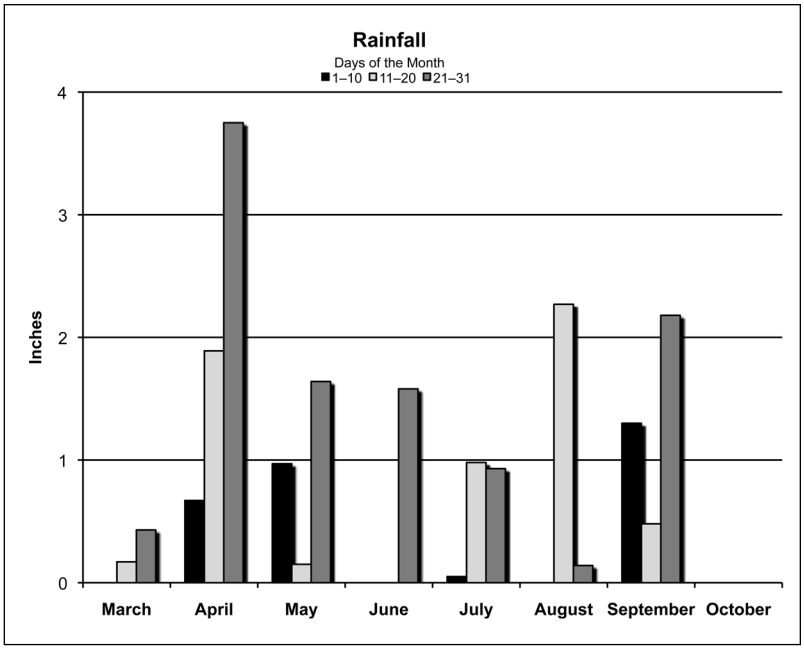

Table 19. Maturity Group IV Conv. Irrigated Soybeans (Delta Branch Experiment Station, Stoneville, clay).[1]

Variety	Brand	Yield[2]			Maturity date[3]	Plant height	Lodging score
		2011	2-yr. avg.	3-yr. avg.			
		bu/A	*bu/A*	*bu/A*		*in*	
4411LL	GoSoy	61.1	—	—	—	37	1
Halo 4:65	US Seeds	60.5	47.3	—	—	35	1
S08-17361	University of Missouri	59.1	—	—	—	36	1
Progeny P4910	Progeny	58.5	60.5	—	—	41	2
MIAMI 949LL	Merschman	57.6	64.5	—	—	39	1
4810LL	GoSoy	56.6	—	—	—	36	1
Halo 4:94	US Seeds	56.6	58.7	—	—	38	1
HALO 4:75	US Seeds	55.3	—	—	—	36	1
Tampa 1245LL	Merschman	54.1	—	—	—	35	1
CB4860	Morsoy	53.9	—	—	—	35	1
33LL49	Dyna-Gro	53.6	—	—	—	39	1
Hanover	VA Tech	52.7	—	—	—	24	1
Y227-1	USDA-ARS	52.4	58.7	—	—	33	3
Progeny 4928LL	Progeny	52.2	64.2	—	—	40	1
DG 4861LL	Delta Grow	50.9	57.0	—	—	33	1
HBK C4926	Hornbeck	50.8	58.0	—	—	39	1
UA 4910	University of Arkansas	50.7	53.8	—	—	33	1
LG04-1459-6	USDA-ARS	49.9	—	—	—	27	2
HBK C4929	Hornbeck	49.1	62.8	—	—	43	1
Mean		54.5	58.6				
LSD .1		7.2					
Error df		36					
CV		9.6					
R sq		62.7					

[1](E)=Experimental.
[2]No 3-year yields.
[3]No Maturity date taken.

Table 20. Maturity Group V Conv. Irrigated Soybeans (Delta Branch Experiment Station, Stoneville, clay).[1]

Variety	Brand	Yield			Maturity date[2]	Plant height	Lodging score
		2011	2-yr. avg.	3-yr. avg.			
		bu/A	*bu/A*	*bu/A*		*in*	
Osage	University of Arkansas	57.8	—	—	—	22	1
Progeny P4910	Progeny	54.6	—	—	—	37	1
DB04-10836(E)	USDA-ARS	53.5	—	—	—	31	1
Progeny 5191	Progeny	53.2	—	—	—	26	1
Progeny 5960LL (E)	Progeny	53.2	54.0	—	—	27	1
HBK C5528	Hornbeck	52.1	54.5	53.6	—	28	1
34LL53	Dyna-Gro	51.4	—	—	—	18	1
Halo 5:25	US Seeds	51.0	58.4	53.1	—	21	1
5111LL	GoSoy	51.0	—	—	—	23	1
DB03-8416(E)	USDA-ARS	50.8	—	—	—	28	1
DG5461LL	Delta Grow	50.6	56.5	—	—	36	1
5911LL	GoSoy	50.6	—	—	—	26	1
50LC82	Stine	50.2	—	—	—	42	1
HBK C5025	Hornbeck	49.9	53.0	49.7	—	42	1
Progeny P5770	Progeny	49.8	58.2	56.0	—	23	1
Glenn	VA Tech	49.6	—	—	—	19	1
CB 5209	Morsoy	49.5	53.5	—	—	29	1
Progeny 5160LL (E)	Progeny	49.2	57.9	—	—	18	1
DB06-3442(E)	USDA-ARS	48.9	—	—	—	23	1
DB00-087-08(E)	USDA-ARS	48.3	—	—	—	24	1
AGS 5911LL	AGS	48.2	—	—	—	24	1
Halo 5:65	US Seeds	47.5	52.1	49.5	—	24	1
Progeny 5460LL (E)	Progeny	47.5	55.1	—	—	36	1
Progeny 5261LL	Progeny	47.3	—	—	—	25	1
AGS 6011LL	AGS	46.8	—	—	—	27	1
Ozark	University of Arkansas	46.0	53.4	—	—	26	1
DB06-2257(E)	USDA-ARS	45.6	54.4	—	—	24	1

[1](E)=Experimental.
[2]No Maturity date taken.

Table 20 (cont.). Maturity Group V Conv. Irrigated Soybeans (Delta Branch Experiment Station, Stoneville, clay).[1]

Variety	Brand	Yield			Maturity date[2]	Plant height	Lodging score
		2011	2-yr. avg.	3-yr. avg.			
		bu/A	*bu/A*	*bu/A*		*in*	
Mean		50.1	55.1	52.4			
LSD .1		6					
Error df		52					
CV		8.8					
R sq		67.7					

[1](E)=Experimental.
[2]No Maturity date taken.

Table 21. Roundup Ready Maturity Group IV Early Irrigated Soybeans (Delta Branch Experiment Station, Stoneville, clay).

Variety	Brand	Yield[1]			Maturity date	Plant height	Lodging score
		2011	2-yr. avg.	3-yr. avg.			
		bu/A	*bu/A*	*bu/A*		*in*	
Progeny 4510RY	Progeny	76.0	76.7	—	9-18	31	1
AG4531	Asgrow	76.0	74.8	—	9-18	33	1
46X29	Morsoy Xtra	75.6	—	—	9-16	33	1
Progeny 4211RY	Progeny	72.9	—	—	9-19	31	1
34RY46	Dyna-Gro	71.4	72.2	—	9-19	31	1
AG4632	Asgrow	71.2	—	—	9-18	38	1
94Y40	Pioneer	70.1	66.9	—	9-14	30	1
HBK RY4620	Hornbeck	68.0	—	—	9-19	32	1
Progeny 4611RY	Progeny	67.6	—	—	9-18	30	1
94Y50	Pioneer	67.1	—	—	9-16	35	1
31RY45	Dyna-Gro	66.6	—	—	9-18	32	1
R2C4520	Croplan Genetics	66.1	—	—	9-16	29	1
DG 4670RR2	Delta Grow	66.1	—	—	9-18	32	1
46X71	Morsoy Xtra	66.0	—	—	9-18	33	1
74C69	USG	64.9	63.8	—	9-16	45	1
93Y92	Pioneer	64.8	60.8	—	9-14	32	1
Phoenix 1245 RR2Y	Merschman	63.2	—	—	9-19	35	1
457.RCP	Schillinger	63.0	62.1	—	9-16	40	1
DG4460RR	Delta Grow	62.4	—	—	9-16	31	1
HBK R4527	Hornbeck	61.7	59.9	—	9-14	35	2
S44-D5 Brand	NK Brand	61.1	64.0	—	9-16	31	1
94Y61	Pioneer	60.7	—	—	9-18	35	1
458.RCS	Schillinger	60.5	62.7	—	9-16	29	1
44R22 TM	REVR	59.6	61.5	—	9-19	32	1
45R10 TM	REVR	58.6	59.5	—	9-16	33	1
Mean		66.5	59.0				
LSD .1		7.5					
Error df		48					
CV		8.22					
R sq		58.8					

[1]No 3-year yields.

Table 22. Roundup Ready Maturity Group IV Late Irrigated Soybeans (Delta Branch Experiment Station, Stoneville).[1]

Variety	Brand	Yield[2]			Maturity date	Plant height	Lodging score
		2011	2-yr. avg.	3-yr. avg.			
		bu/A	*bu/A*	*bu/A*		*in*	
DKR 4744s	Delta King	75.8	68.2	—	9-18	33	1
AG 4832	Asgrow	75.0	—	—	9-19	37	1
74H81	USG	73.7	—	—	9-18	38	1
AG4730	Asgrow	72.7	70.6	—	9-18	32	1
49R43 TM	REV ™	71.5	—	—	9-19	34	1
Progeny 4710RY (E)	Progeny	71.3	68.2	—	9-18	38	1
R2T4799S	Croplan Genetics	70.9	—	—	9-18	34	1
X1211	Armor	70.7	—	—	9-19	37	1
Progeny 4811RY	Progeny	69.8	—	—	9-19	41	1
X1208	Armor	69.3	—	—	9-19	46	1
HBK RY4721	Hornbeck	69.3	—	—	9-20	45	1
94Y90	Pioneer	69.1	65.2	—	9-19	36	1
47R53 TM	REV ™	69.0	—	—	9-19	40	2
DG 33G48	Dyna-Gro	68.9	68.5	—	9-21	36	1
X1210	Armor	68.8	—	—	9-19	35	1
94Y70	Pioneer	68.7	68.6	—	9-18	36	1
DG 4880RR	Delta Grow	68.7	64.0	—	9-20	32	1
94Y80	Pioneer	68.7	62.1	—	9-18	35	1
DG 4875RR2	Delta Grow	68.4	—	—	9-19	47	1
RTS 4824	Morsoy	68.3	69.5	—	9-21	38	1
495.RC	Schillinger	68.2	64.4	—	9-21	43	1
USG 74A79	USG	67.8	—	—	9-21	36	1
48R33 TM	REV ™	67.7	—	—	9-19	35	1
USG 7495nRS	USG	67.5	—	—	9-19	41	1
47X31	Morsoy Xtra	66.7	—	—	9-21	42	1
48X00	Morsoy Xtra	66.5	—	—	9-21	34	1
47R22 TM	REV ™	66.4	62.8	—	9-19	42	1
49X10	Morsoy Xtra	66.4	—	—	9-19	37	1
Progeny 4807RR	Progeny	66.4	65.4	—	9-19	36	1
48RC32	Stine	66.3	—	—	9-19	41	1
Progeny 4906RR	Progeny	66.2	66.4	—	9-19	37	2
X1209	Armor	66.2	—	—	9-19	42	1
Progeny 4750 RR	Progeny	65.6	65.9	—	9-20	41	1
HBK R4830	Hornbeck	65.5	—	—	9-21	40	1
46R73 TM	REV ™	65.4	—	—	9-18	32	1
DG 4470RR/STS	Delta Grow	65.4	—	—	9-19	37	1
33RY47	Dyna-Gro	65.0	—	—	9-19	36	1
478.RCS	Schillinger	64.5	62.7	—	9-19	35	1
DG4975RR	Delta Grow	64.2	67.2	—	9-21	41	1
MorSoy RT4707	MorSoy	64.2	67.5	—	9-19	40	1
RC 4877	Croplan Genetics	64.1	72.4	—	9-19	38	2
Progeny 4908RR (E)	Progeny	63.9	65.5	—	9-21	43	2
DG 4970RR	Delta Grow	63.9	62.2	—	9-21	42	1
49R11 TM	REV ™	63.9	59.1	—	9-19	31	1
4990.RC	Schillinger	62.9	61.8	—	9-21	38	1
S08-14087RR	Univ. of Missouri	62.8	—	—	9-19	39	1
49R22 TM	REV ™	62.8	67.1	—	9-19	33	1
AG4732	Asgrow	62.6	—	—	9-19	34	1
HBK R4729	Hornbeck	62.6	—	—	9-19	35	1
RC 4757S	Croplan Genetics	62.5	64.7	—	9-19	43	1
48R22 TM	REV ™	62.4	60.3	—	9-18	31	1
HBK R4829	Hornbeck	62.2	71.3	—	9-19	31	2
HBK R4924	Hornbeck	62.2	68.1	—	9-19	39	1
Progeny 4911RY	Progeny	62.0	—	—	9-19	38	1
48R10 TM	REV ™	61.7	63.5	—	9-19	40	1
S49-H7 Brand	NK Brand	60.0	63.6	—	9-21	38	1
AG 4932	Asgrow	59.7	—	—	9-19	37	1
USG 74F96	USG	59.3	—	—	9-21	41	1
NK S47-R3 Brand	NK Brand	58.5	66.4	—	9-19	41	1
Mean		66.3	65.8				
LSD .1		5.8					
Error df		116					
CV		6.4					
R sq		55					

[1](E)=Experimental.
[2]No 3-year yields.

Table 23. Roundup Ready Maturity Group V Early Irrigated Soybeans (Delta Branch Experiment Station, Stoneville).[1]

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		2011	2-yr. avg.	3-yr. avg.			
		bu/A	*bu/A*	*bu/A*		*in*	
AG5332	Asgrow	64.4	—	—	9-30	35	1
51R53TM	REV R	63.6	—	—	9-30	35	1
Progeny 5330RR	Progeny	63.2	66.0	—	9-30	28	1
HBK RY5521	Hornbeck	62.9	—	—	9-30	22	2
Everest 1251 RR2Y	Merschman	62.1	—	—	9-30	26	1
DG 35P53	Dyna-Gro	61.4	65.3	—	9-30	30	1
AG5632	Asgrow	60.3	—	—	9-30	26	1
HBK RY5121	Hornbeck	60.2	—	—	9-30	26	1
5220.RC	Schillinger	60.0	—	—	9-30	38	1
DK 5363	Delta King	59.4	62.4	58.6	9-30	29	1
DG 35F55	Dyna-Gro	59.3	62.0	58.0	9-30	29	1
HBK RY5221	Hornbeck	59.1	—	—	9-30	27	1
56R63TM	REV R	58.4	—	—	9-30	30	1
53-R15	Armor	58.1	—	—	9-30	23	1
Progeny 5111RY	Progeny	57.8	—	—	9-30	25	1
DG 5110RR2	Delta Grow	57.5	—	—	9-30	43	1
DG 5275RR2	Delta Grow	57.5	65.0	—	9-30	24	1
51X31	Morsoy Xtra	57.1	—	—	9-30	24	1
AG5532	Asgrow	57.1	—	—	9-30	25	1
HBK R5529	Hornbeck	57.0	59.8	—	9-30	24	1
RT 5429N	MorSoy	56.7	61.5	—	9-30	29	1
AGS 554RR	AGS	56.6	57.6	55.1	9-30	27	1
MorSoy RT5168N (E)	MorSoy	56.1	61.2	57.1	9-30	38	1
Progeny 5610RY (E)	Progeny	56.0	64.7	—	9-30	27	1
X1218	Armor	55.9	—	—	9-30	25	1
X1216	Armor	55.8	—	—	9-30	20	1
Progeny 5622RR	Progeny	55.5	60.3	59.9	9-30	27	1
32RY55	Dyna-Gro	55.4	—	—	9-30	26	1
S54-V4 Brand	NK Brand	55.4	—	—	9-30	23	1
Progeny 5210RY (E)	Progeny	55.3	64.6	—	9-30	24	1
R2C5360	Croplan Genetics	55.2	—	—	9-30	26	1
56R21 TM	REV ™	54.8	61.8	—	9-30	28	1
AG5232	Asgrow	54.7	—	—	9-30	27	1
DG 37RY52	Dyna-Gro	54.6	63.1	—	9-30	24	1
X1217	Armor	54.3	—	—	9-30	19	1
DG 5280RR	Delta Grow	54.2	59.1	54.0	9-30	24	1
54X41	Morsoy Xtra	53.5	—	—	9-30	28	1
95Y01	Pioneer	53.5	61.7	—	9-30	37	1
DG 5555RR	Delta Grow	53.4	59.0	54.6	9-30	28	1
95Y30	Pioneer	53.3	62.4	56.5	9-30	24	1
DG5160RR/STS	Delta Grow	52.9	—	—	9-30	40	1
Progeny 5655RY	Progeny	52.9	—	—	9-30	34	1
HBK R5525	Hornbeck	52.8	55.4	52.7	9-30	25	1
Progeny 5321RY	Progeny	52.2	—	—	9-30	44	1
HBK R5226	Hornbeck	52.1	59.5	55.1	9-30	23	1
DG 5565RR2	Delta Grow	51.9	—	—	9-30	23	1
55R21 TM	REV ™	51.9	58.5	—	10-2	24	1
USG 75Z38	USG	51.7	—	—	9-30	24	1
DG5300RR/STS	Delta Grow	51.4	58.0	54.1	9-30	26	1
HBK RY5220	Hornbeck	51.4	60.3	—	9-30	25	1
DG 5656RR2	Delta Grow	51.2	—	—	9-30	24	1
Progeny 5650RR	Progeny	51.2	56.9	53.7	9-30	29	1
RC 5007S	Croplan Genetics	51.1	58.4	54.0	9-30	26	1
53X51	Morsoy Xtra	50.9	—	—	9-30	28	1
95Y40	Pioneer	50.4	—	—	9-30	23	1
DG 5545RR	Delta Grow	49.8	—	—	9-30	26	1
X1215	Armor	49.6	—	—	9-30	27	1
557.RC	Schillinger	49.2	57.0	52.1	9-30	24	1
AGS 568RR	AGS	49.1	54.7	54.0	9-30	26	1
X1213	Armor	48.7	—	—	9-30	20	1
HBK RY5421	Hornbeck	48.5	—	—	9-30	34	1
DG 5252RR2	Delta Grow	47.7	—	—	9-30	20	1
NK S56-G6 Brand	NK Brand	46.9	55.3	—	9-30	22	1
Mean		55	60.4	55.3			
LSD .1		4.8					
Error df		124					
CV		6.4					
R sq		70.5					

[1](E)=Experimental.

Table 24. Roundup Ready Maturity Group V Late Irrigated Soybeans (Delta Branch Experiment Station, Stoneville).

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		2011	2-yr. avg.	3-yr. avg.			
		bu/A	*bu/A*	*bu/A*		*in*	
AGS 597	AGS	57.9	62.7	59.4	9-30	31	1
USG 75Z98	USG	56.4	—	—	9-30	25	1
39RY57	Dyna-Gro	56.4	—	—	9-30	26	1
AG5831	Asgrow	55.4	60	—	9-30	24	1
Progeny 5811RY	Progeny	52.0	—	—	9-30	27	1
Progeny 5711RY	Progeny	51.8	—	—	9-30	27	1
95Y70	Pioneer	51.3	54.5	52.7	9-30	31	1
NK S57-K3 Brand	NK Brand	49.7	54.5	—	9-30	27	1
57R21 TM	REV ™	48.6	57.3	—	9-30	37	1
AG5832	Asgrow	47.7	—	—	9-30	45	1
AGS 606RR	AGS	47.6	51.5	50.5	9-30	23	1
Mean		52.2	46.3	34.4			
LSD .1		4.4					
Error df		20					
CV		5.9					
R sq		71.5					

Location 1. MAFES Delta Branch, Stoneville (Cotton)

Location Summary

The soybean plots were planted into a stale seedbed with adequate soil moisture. All plots quickly emerged to a good stand. The growing season was extremely dry, but timely irrigations maintained good soil moisture. Harvest was completed in a timely manner and excellent yields were observed.

Soil type: . . . . . **Dundee Silty Clay Loam**

Soil pH: **6.8**

Soil fertility: . . . . . **P=H; K=H**

Fertilizer added: . . . . . **None**

Herbicide applications: . . . . **Preemergence — Roundup Powermax @ 22oz/A, Dual II Magnum @ 24 oz/A, and Firstrate @ 0.6 oz/A on May 17**
Postemergence (Layby) — Roundup Powermax @ 22 oz/A, Ultra Blazer @ 8 oz/A, and Firstrate @ 0.3 oz/A on July 7

Irrigation dates: . . . . . **June 16, July 1, July 12, July 25, August 6, August 15, and August 27**

Planting date: . . . . . **May 10**

Previous crop: . . . . . **Soybeans**

Harvest date: . . . . . **Group IV Early Roundup Ready on September 21; Group IV Late, V Early, and V Late Roundup Ready on October 6**

Rainfall Summary

	Inches
March	0.60
April	6.31
May	2.76
June	1.58
July	1.96
August	2.41
September	3.96
October	0.00
Total	19.58

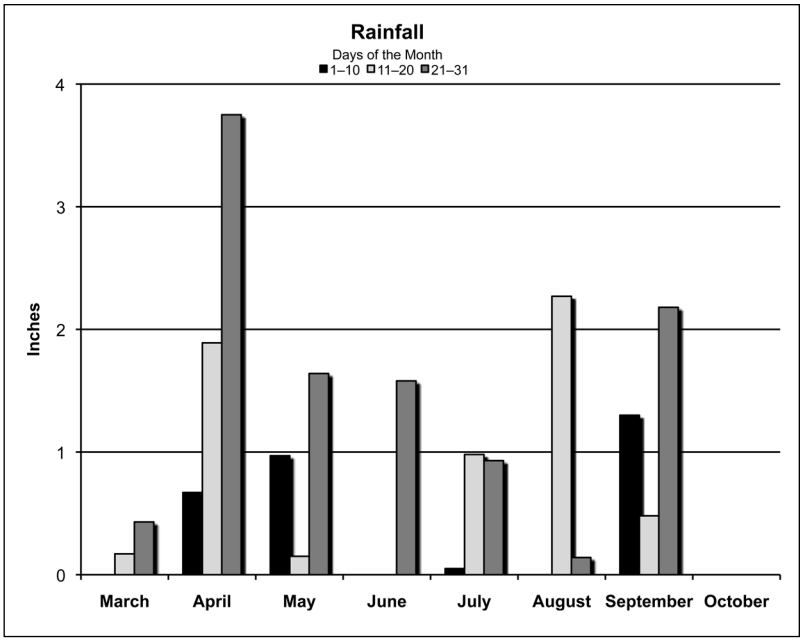

Table 25. Roundup Ready Maturity Group IV Early Irrigated Soybeans (Delta Branch Experiment Station, Stoneville Cotton).

Variety	Brand	Yield[2]			Maturity date	Plant height	Lodging score
		2011	2-yr. avg.	3-yr. avg.			
		bu/A	*bu/A*	*bu/A*		*in*	
Progeny 4211RY	Progeny	80.7	—	—	9-14	39	1
S44-D5 Brand	NK Brand	79.4	69.8	—	9-16	46	1
DG4460RR	Delta Grow	78.1	—	—	9-15	45	1
94Y40	Pioneer	77.9	73.2	—	9-15	36	1
93Y92	Pioneer	77.9	71.4	—	9-14	33	1
R2C4520	Croplan Genetics	76.3	—	—	9-16	39	1
94Y50	Pioneer	76.3	—	—	9-15	44	1
44R22 TM	REVR	74.6	70.9	—	9-14	40	1
46X71	Morsoy Xtra	74.4	—	—	9-18	44	2
Phoenix 1245 RR2Y	Merschman	74.2	—	—	9-18	44	2
DG 4670RR2	Delta Grow	73.7	—	—	9-18	39	2
AG4632	Asgrow	72.9	—	—	9-18	41	1
46X29	Morsoy Xtra	72.2	—	—	9-15	37	1
34RY46	Dyna-Gro	72.0	68.0	—	9-18	38	1
458.RCS	Schillinger	71.9	67.5	—	9-18	32	1
Progeny 4510RY	Progeny	71.7	65.5	—	9-16	42	2
94Y61	Pioneer	71.4	—	—	9-16	37	1
Progeny 4611RY	Progeny	70.9	—	—	9-18	39	2
31RY45	Dyna-Gro	70.4	—	—	9-18	38	1
HBK RY4620	Hornbeck	67.8	—	—	9-18	37	1
45R10 TM	REVR	65.9	60.7	—	9-16	47	1
AG4531	Asgrow	65.4	65.7	—	9-18	40	1
457.RCP	Schillinger	63.0	58.5	—	9-16	48	1
74C69	USG	62.8	59.9	—	9-18	49	2
HBK R4527	Hornbeck	60.8	57.8	—	9-16	47	1
Mean		71.1	65.7				
LSD .1		7.4					
Error df		48					
CV		7.5					
R sq		60.5					

[1]No 3-year yields.

Table 26. Roundup Ready Maturity Group IV Late Irrigated Soybeans (Delta Branch Experiment Station, Stoneville Cotton).[1]

Variety	Brand	Yield[2]			Maturity date	Plant height	Lodging score
		2011	2-yr. avg.	3-yr. avg.			
		bu/A	*bu/A*	*bu/A*		*in*	
94Y70	Pioneer	68.4	66.3	—	9-16	44	1
X1209	Armor	66.1	—	—	9-20	54	1
48R33 TM	REV ™	65.8	—	—	9-16	47	2
RC 4757S	Croplan Genetics	65.6	60.9	—	9-18	37	1
DG 4470RR/STS	Delta Grow	65.6	—	—	9-16	40	1
94Y90	Pioneer	65.5	59.3	—	9-16	44	1
DG 4880RR	Delta Grow	65.3	58.3	—	9-22	37	1
478.RCS	Schillinger	65.1	53.6	—	9-24	41	2
49R11 TM	REV ™	65.1	53.2	—	9-14	36	1
46R73 TM	REV ™	65.1	—	—	9-14	40	2
HBK RY4721	Hornbeck	64.4	—	—	9-19	53	2
R2T4799S	Croplan Genetics	64.3	—	—	9-18	42	1
X1208	Armor	64.1	—	—	9-20	52	1
S08-14087RR	Univ. of Missouri	63.9	—	—	9-16	45	1
DKR 4744s	Delta King	63.4	58.2	—	9-19	38	1
X1210	Armor	63.2	—	—	9-18	40	1
94Y80	Pioneer	63.1	58.4	—	9-16	49	2
49R43 TM	REV ™	63.0	—	—	9-18	41	1
47R22 TM	REV ™	62.9	60.7	—	9-19	44	1
DG4975RR	Delta Grow	61.8	55.9	—	9-24	48	1
AG 4832	Asgrow	61.8	—	—	9-18	48	1
DG 4875RR2	Delta Grow	61.6	—	—	9-19	46	1
HBK R4924	Hornbeck	61.3	62.7	—	9-19	49	2
48X00	Morsoy Xtra	61.2	—	—	9-24	37	1
AG4730	Asgrow	61.2	62.6	—	9-16	40	2

[1](E)=Experimental.
[2]No 3-year yields.

Table 26 (cont.). Roundup Ready Maturity Group IV Late Irrigated Soybeans (Delta Branch Experiment Station, Stoneville Cotton).[1]

Variety	Brand	Yield[2]			Maturity date	Plant height	Lodging score
		2011	2-yr. avg.	3-yr. avg.			
		bu/A	*bu/A*	*bu/A*		*in*	
33RY47	Dyna-Gro	60.9	—	—	9-21	46	1
48RC32	Stine	60.8	—	—	9-19	43	1
Progeny 4710RY (E)	Progeny	60.7	55.0	—	9-19	48	1
495.RC	Schillinger	60.2	58.3	—	9-22	43	3
USG 74A79	USG	60.2	—	—	9-21	41	1
48R22 TM	REV ™	60.2	58.5	—	9-14	41	3
47X31	Morsoy Xtra	59.8	—	—	9-24	41	1
Progeny 4750 RR	Progeny	59.5	66.4	—	9-21	35	2
Progeny 4811RY	Progeny	59.4	—	—	9-19	47	1
AG4732	Asgrow	59.3	—	—	9-18	48	1
48R10 TM	REV ™	59.1	58.4	—	9-20	42	1
74H81	USG	59.1	—	—	9-18	44	2
AG 4932	Asgrow	58.9	—	—	9-21	41	1
HBK R4830	Hornbeck	58.8	—	—	9-24	51	2
47R53 TM	REV ™	58.8	—	—	9-16	39	1
Progeny 4807RR	Progeny	58.3	58.2	—	9-19	46	3
RC 4877	Croplan Genetics	58.3	64.2	—	9-18	41	1
DG 33G48	Dyna-Gro	58.0	65.3	—	9-21	45	3
MorSoy RT4707	MorSoy	57.7	64.6	—	9-19	45	2
Progeny 4908RR (E)	Progeny	57.5	59.8	—	9-19	49	2
DG 4970RR	Delta Grow	57.2	59.5	—	9-24	41	2
49X10	Morsoy Xtra	57.1	—	—	9-19	42	1
X1211	Armor	56.6	—	—	9-16	43	2
HBK R4829	Hornbeck	56.3	60.7	—	9-29	38	2
USG 7495nRS	USG	55.6	—	—	9-28	50	1
Progeny 4906RR	Progeny	55.5	57.4	—	9-19	49	1
RTS 4824	Morsoy	55.5	56.4	—	9-24	42	1
S49-H7 Brand	NK Brand	55.1	56.9	—	9-19	44	1
49R22 TM	REV ™	54.9	59.9	—	9-16	45	1
HBK R4729	Hornbeck	54.4	—	—	9-19	35	2
NK S47-R3 Brand	NK Brand	52.7	58.6	—	9-19	51	3
Progeny 4911RY	Progeny	52.6	—	—	9-19	47	2
4990.RC	Schillinger	50.8	57.8	—	9-21	44	3
USG 74F96	USG	50.6	—	—	9-28	44	2
Mean		60.2	59.5				
LSD .1		4.7					
Error df		116					
CV		5.8					
R sq		68					

[1](E)=Experimental.
[2]No 3-year yields.

Table 27. Roundup Ready Maturity Group V Early Irrigated Soybeans (Delta Branch Experiment Station, Stoneville Cotton).[1]

Variety	Brand	Yield[2]			Maturity date	Plant height	Lodging score
		2011	2-yr. avg.	3-yr. avg.			
		bu/A	*bu/A*	*bu/A*		*in*	
HBK R5529	Hornbeck	67.2	64.2	—	9-22	26	1
AG5332	Asgrow	65.8	—	—	9-28	43	2
95Y40	Pioneer	65.6	—	—	9-30	23	1
Progeny 5111RY	Progeny	64.7	—	—	9-24	27	1
AG5632	Asgrow	64.4	—	—	9-30	26	1
51X31	Morsoy Xtra	64.3	—	—	9-22	27	1
53-R15	Armor	63.6	—	—	9-30	25	1
AG5532	Asgrow	63.3	—	—	9-24	35	1
DG5160RR/STS	Delta Grow	62.7	—	—	9-30	43	1
95Y30	Pioneer	62.3	62.8	—	9-30	23	1
51R53TM	REV R	62.1	—	—	9-30	37	1
DG 37RY52	Dyna-Gro	61.9	63.8	—	9-28	24	1
Everest 1251 RR2Y	Merschman	61.8	—	—	9-30	28	1

[1](E)=Experimental.
[2]No 3-year yields.

Table 27 (cont.). Roundup Ready Maturity Group V Early Irrigated Soybeans (Delta Branch Experiment Station, Stoneville Cotton).[1]

Variety	Brand	Yield[2]			Maturity date	Plant height	Lodging score
		2011	2-yr. avg.	3-yr. avg.			
		bu/A	*bu/A*	*bu/A*		*in*	
56R21 TM	REV ™	61.6	63.0	—	9-30	30	1
DG 5275RR2	Delta Grow	61.5	61.0	—	9-30	26	1
56R63TM	REV R	61.2	—	—	9-30	31	1
HBK RY5121	Hornbeck	60.8	—	—	9-30	29	1
95Y01	Pioneer	59.8	54.8	—	9-30	41	1
Progeny 5622RR	Progeny	59.3	57.9	—	9-28	26	1
Progeny 5210RY (E)	Progeny	59.1	63.7	—	9-30	22	1
Progeny 5655RY	Progeny	59.1	—	—	9-30	32	1
RT 5429N	MorSoy	58.8	58.4	—	9-30	26	1
Progeny 5610RY (E)	Progeny	58.6	59.4	—	9-30	30	1
54X41	Morsoy Xtra	57.9	—	—	9-30	24	1
X1218	Armor	57.7	—	—	9-24	27	1
AGS 554RR	AGS	57.1	57.0	—	9-24	27	1
RC 5007S	Croplan Genetics	56.9	57.2	—	9-30	31	1
X1213	Armor	56.8	—	—	9-30	23	1
HBK RY5421	Hornbeck	56.7	—	—	10-2	28	1
USG 75Z38	USG	56.6	—	—	9-30	29	1
DK 5363	Delta King	56.5	56.6	—	9-24	29	1
AG5232	Asgrow	56.4	—	—	9-30	22	1
32RY55	Dyna-Gro	56.2	—	—	9-22	27	1
DG5300RR/STS	Delta Grow	55.9	58.7	—	9-30	30	1
DG 5545RR	Delta Grow	55.8	—	—	9-30	23	1
S54-V4 Brand	NK Brand	55.7	—	—	9-30	24	1
Progeny 5330RR	Progeny	55.6	55.6	—	9-30	35	1
HBK RY5521	Hornbeck	55.5	—	—	9-30	36	1
HBK RY5220	Hornbeck	55.2	55.7	—	9-22	24	1
DG 5252RR2	Delta Grow	55.1	—	—	9-24	22	1
Progeny 5650RR	Progeny	55.0	59.2	—	9-30	29	1
DG 35P53	Dyna-Gro	55.0	59.0	—	9-30	29	1
HBK R5525	Hornbeck	54.9	57.9	—	9-24	28	1
MorSoy RT5168N (E)	MorSoy	54.5	51.9	—	9-30	44	2
HBK RY5221	Hornbeck	54.1	—	—	9-30	43	3
5220.RC	Schillinger	54.1	—	—	9-22	40	1
DG 5280RR	Delta Grow	54.0	54.5	—	9-24	24	1
DG 5565RR2	Delta Grow	53.8	—	—	9-30	27	1
X1217	Armor	53.1	—	—	9-24	24	1
DG 5110RR2	Delta Grow	52.8	—	—	9-22	53	1
HBK R5226	Hornbeck	52.3	54.5	—	9-22	25	1
DG 5656RR2	Delta Grow	52.0	—	—	9-22	24	1
55R21 TM	REV ™	51.5	52.4	—	9-30	31	1
DG 5555RR	Delta Grow	50.7	51.4	—	9-30	25	1
R2C5360	Croplan Genetics	50.3	—	—	9-30	31	1
557.RC	Schillinger	50.3	56.2	—	9-30	24	1
DG 35F55	Dyna-Gro	49.7	54.8	—	9-30	32	1
AGS 568RR	AGS	48.5	54.3	—	9-30	27	1
53X51	Morsoy Xtra	45.9	—	—	9-30	36	1
X1216	Armor	45.8	—	—	9-30	27	1
NK S56-G6 Brand	NK Brand	45.4	49.8	—	9-30	29	1
Progeny 5321RY	Progeny	45.0	—	—	9-30	51	2
X1215	Armor	44.7	—	—	9-30	31	1
Mean		56.4	57.3				
LSD .1		4.5					
Error df		124					
CV		5.9					
R sq		80.4					

[1](E)=Experimental.
[2]No 3-year yields.

Table 28. Roundup Ready Maturity Group V Late Soybeans (Delta Branch Experiment Station, Stoneville Cotton).

Variety	Brand	Yield[1]			Maturity date	Plant height	Lodging score
		2011	2-yr. avg.	3-yr. avg.			
		bu/A	*bu/A*	*bu/A*		*in*	
57R21 TM	REV ™	61.3	62.4	—	9-30	38	1
Progeny 5711RY	Progeny	60.7	—	—	9-30	32	1
Progeny 5811RY	Progeny	56.0	—	—	9-30	32	1
AG5831	Asgrow	53.1	55.3	—	9-30	30	1
39RY57	Dyna-Gro	52.9	—	—	9-30	31	1
USG 75Z98	USG	52.2	—	—	9-30	34	1
AGS 597	AGS	50.8	52.8	—	9-30	34	1
NK S57-K3 Brand	NK Brand	50.4	51.7	—	9-30	31	1
95Y70	Pioneer	44.9	46.4	—	9-30	37	1
AG5832	Asgrow	42.7	—	—	9-30	50	1
AGS 606RR	AGS	40.6	42.3	—	10-2	30	1
Mean		51.4	51.8				
LSD .1		5.9					
Error df		20					
CV		8.1					
R sq		81.5					

[1]No 3-year yields.

Location 2. Dulaney Farms, Inc., Clarksdale (Irrigated)

Location Summary

The soybean plots were planted into a stale seedbed with adequate soil moisture. All plots quickly emerged to a good stand. The growing season was extremely dry, but timely irrigations maintained good soil moisture. Harvest was completed in a timely manner, and excellent yields were observed.

Soil type: . . . . . **Tunica clay loam**

Soil pH: **6.9**

Soil fertility: . . . . . **P=H; K=H**

Fertilizer added: . . . . . **None**

Herbicide applications: . . . . **Preemergence — Roundup Powermax @ 22 oz/A, Dual II Magnum @ 22 oz/A, and Authority MTZ @ 12 oz/A on May 11**
Postemergence — Roundup Powermax @ 22 oz/A, Ultra Blazer @ 8 oz/A, and Firstrate @ 0.3 oz/A on June 14
Postemergence — Roundup Powermax @ 22 oz/A and Firstrate @ 0.3 oz/A

Irrigation dates: . . . . . **June 16, July 1, July 12, July 25, August 6, August 15, and August 27**

Planting date: . . . . . **May 11**

Previous crop: . . . . . **Rice**

Harvest date: . . . . . **Group IV Early Roundup Ready on September 30; Group IV Late, V Early, V Late Roundup Ready, and IV Early Roundup Ready on October 3; Group IV Late, V Early, and V Late Roundup Ready on October 3**

Rainfall Summary

	Inches
May	2.5
June	0.2
July	2.4
August	3.3
September	3.8
Total	12.2

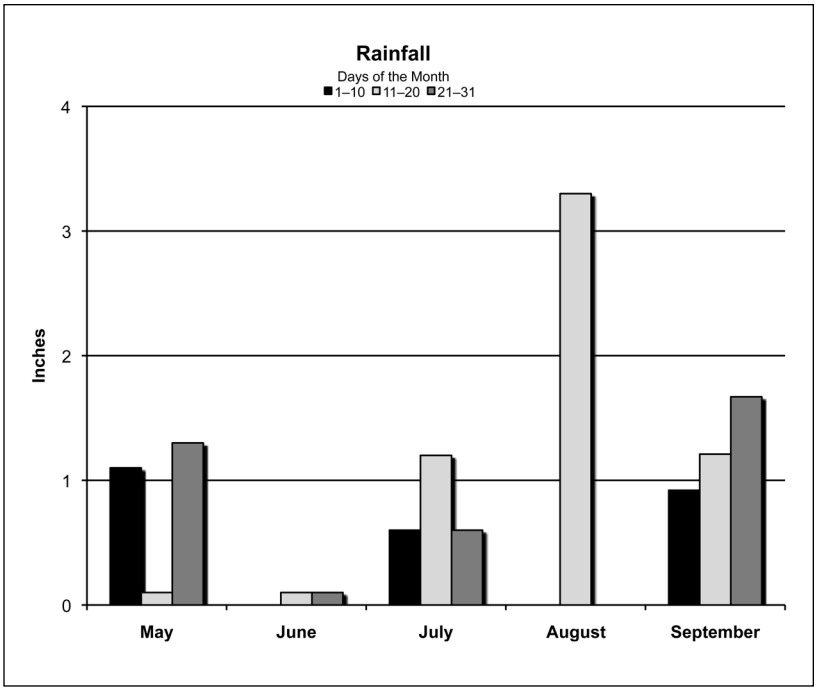

Table 29. Roundup Ready Maturity Group IV Early Irrigated Soybeans (Dulaney Farms, Coahoma County).

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		2011	2-yr. avg.	3-yr. avg.			
		bu/A	*bu/A*	*bu/A*		*in*	
Progeny 4611RY	Progeny	73.7	—	—	9-17	36	1
AG4531	Asgrow	73.6	73.5	—	9-21	36	1
AG4632	Asgrow	72.0	—	—	9-22	35	1
Phoenix 1245 RR2Y	Merschman	70.4	—	—	9-19	35	1
Progeny 4510RY	Progeny	70.1	70.5	—	9-19	35	1
DG 4670RR2	Delta Grow	70.1	—	—	9-17	37	1
46X71	Morsoy Xtra	70.0	—	—	9-17	37	1
34RY46	Dyna-Gro	69.7	71.5	—	9-22	35	1
46X29	Morsoy Xtra	69.6	—	—	9-22	34	1
Progeny 4211RY	Progeny	69.4	—	—	9-15	36	1
R2C4520	Croplan Genetics	68.5	—	—	9-14	32	1
S44-D5 Brand	NK Brand	66.5	67.0	56.9	9-17	29	1
74C69	USG	66.0	65.7	—	9-18	41	1
DG4460RR	Delta Grow	65.5	—	—	9-18	33	1
44R22 TM	REVR	65.0	68.2	—	9-16	30	1
31RY45	Dyna-Gro	64.8	—	—	9-17	36	1
457.RCP	Schillinger	63.9	65.2	59.6	9-15	43	1
94Y50	Pioneer	63.9	—	—	9-15	35	1
HBK RY4620	Hornbeck	63.8	—	—	9-22	35	1
45R10 TM	REVR	63.8	62.3	58.4	9-17	41	3
458.RCS	Schillinger	62.8	66.2	59.0	9-17	37	1
94Y40	Pioneer	62.0	64.2	—	9-15	30	1
HBK R4527	Hornbeck	60.7	61.8	55.8	9-17	43	2
93Y92	Pioneer	58.8	61.3	—	9-13	27	1
94Y61	Pioneer	57.9	—	—	9-20	37	1
Mean		66.5	66.5	57.9			
LSD .1		7.3					
Error df		48					
CV		8					
R sq		61					

Table 30. Roundup Ready Maturity Group IV Late Irrigated Soybeans (Dulaney Farms, Coahoma County).[1]

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		2011	2-yr. avg.	3-yr. avg.			
		bu/A	*bu/A*	*bu/A*		*in*	
R2T4799S	Croplan Genetics	72.0	—	—	9-20	37	1
DKR 4744s	Delta King	68.9	65.3	—	9-23	36	1
47R53 TM	REV ™	68.9	—	—	9-18	36	1
Progeny 4908RR (E)	Progeny	68.1	56.6	52.6	9-23	40	1
74H81	USG	68.0	—	—	9-20	38	1
Progeny 4811RY	Progeny	67.9	—	—	9-22	39	1
AG4730	Asgrow	67.7	65.6	—	9-20	34	1
Progeny 4906RR	Progeny	67.6	62.0	60.9	9-21	42	1
X1209	Armor	67.6	—	—	9-23	44	1
48X00	Morsoy Xtra	67.2	—	—	9-22	31	1
RTS 4824	Morsoy	67.0	59.3	—	9-22	35	1
S08-14087RR	Univ. of Missouri	66.5	—	—	9-20	41	1
Progeny 4750 RR	Progeny	66.4	67.2	—	9-24	37	1
47R22 TM	REV ™	66.1	63.9	—	9-23	41	1
AG 4932	Asgrow	66.0	—	—	9-22	41	1
94Y80	Pioneer	65.9	62.7	61.6	9-19	40	3
AG 4832	Asgrow	65.8	—	—	9-21	41	1
48R33 TM	REV ™	65.7	—	—	9-19	38	1
49R43 TM	REV ™	65.6	—	—	9-24	34	1
DG 4880RR	Delta Grow	65.4	65.6	—	9-22	34	1
AG4732	Asgrow	65.1	—	—	9-22	42	1
HBK R4829	Hornbeck	65.0	69.0	—	9-25	38	1
USG 74A79	USG	65.0	—	—	9-23	39	1
DG 33G48	Dyna-Gro	64.9	67.5	—	9-25	37	1
46R73 TM	REV ™	64.9	—	—	9-17	36	1
94Y70	Pioneer	64.7	64.9	61.4	9-19	36	1

[1](E) = Experimental.

Table 30 (cont.). Roundup Ready Maturity Group IV Late Irrigated Soybeans (Dulaney Farms, Coahoma County).[1]

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		2011	2-yr. avg.	3-yr. avg.			
		bu/A	*bu/A*	*bu/A*		*in*	
HBK RY4721	Hornbeck	64.2	—	—	9-22	43	1
478.RCS	Schillinger	64.1	62.6	62.8	9-23	36	1
X1208	Armor	63.7	—	—	9-20	40	1
DG 4470RR/STS	Delta Grow	63.7	—	—	9-20	36	1
DG 4970RR	Delta Grow	63.5	63.4	58.1	9-25	35	1
DG 4875RR2	Delta Grow	63.4	—	—	9-19	39	1
Progeny 4710RY (E)	Progeny	63.2	68.3	—	9-23	34	1
HBK R4924	Hornbeck	63.1	64.0	58.0	9-24	45	1
495.RC	Schillinger	62.9	59.0	55.0	9-25	36	1
X1211	Armor	62.7	—	—	9-24	38	1
HBK R4830	Hornbeck	62.4	—	—	9-23	40	1
X1210	Armor	62.4	—	—	9-24	39	1
48R22 TM	REV ™	62.4	63.1	—	9-17	34	1
94Y90	Pioneer	61.8	65.3	55.8	9-21	40	1
NK S47-R3 Brand	NK Brand	61.4	62.5	—	9-23	41	1
48RC32	Stine	61.3	—	—	9-21	37	1
33RY47	Dyna-Gro	61.2	—	—	9-20	41	1
S49-H7 Brand	NK Brand	60.5	64.0	56.2	9-23	36	1
RC 4757S	Croplan Genetics	60.0	63.3	57.5	9-20	34	1
48R10 TM	REV ™	60.0	60.2	59.4	9-21	32	1
47X31	Morsoy Xtra	59.3	—	—	9-19	38	1
49X10	Morsoy Xtra	58.9	—	—	9-21	35	1
HBK R4729	Hornbeck	58.7	—	—	9-24	34	1
RC 4877	Croplan Genetics	58.6	69.0	54.8	9-22	38	1
USG 7495nRS	USG	58.5	—	—	9-24	40	1
DG4975RR	Delta Grow	58.1	66.9	56.9	9-22	41	1
Progeny 4807RR	Progeny	57.9	62.4	54.9	9-23	35	1
49R22 TM	REV ™	57.7	66.8	—	9-20	33	1
Progeny 4911RY	Progeny	57.7	—	—	9-23	47	1
MorSoy RT4707	MorSoy	56.4	64.6	56.7	9-22	38	1
4990.RC	Schillinger	56.1	61.1	56.1	9-26	38	1
49R11 TM	REV ™	55.4	57.5	53.9	9-17	32	1
USG 74F96	USG	53.1	—	—	9-25	40	1
Mean		63.2	63.8	57.4			
LSD .1		6.1					
Error df		116					
CV		7.1					
R sq		54.4					

[1](E) = Experimental.

Table 31. Roundup Ready Maturity Group V Early Irrigated Soybeans (Dulaney Farms, Coahoma County).[1]

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		2011	2-yr. avg.	3-yr. avg.			
		bu/A	*bu/A*	*bu/A*		*in*	
HBK RY5121	Hornbeck	68.8	—	—	9-23	29	1
95Y40	Pioneer	67.0	—	—	9-26	23	1
X1215	Armor	66.0	—	—	9-30	32	1
32RY55	Dyna-Gro	66.0	—	—	9-26	26	1
AG5632	Asgrow	65.0	—	—	9-29	28	1
MorSoy RT5168N (E)	MorSoy	64.8	66.5	61.1	9-24	44	1
AG5532	Asgrow	64.4	—	—	9-25	29	1
AG5332	Asgrow	64.3	—	—	9-26	36	1
DG 37RY52	Dyna-Gro	64.1	66.3	—	9-26	26	1
HBK R5529	Hornbeck	64.1	67.9	—	9-30	23	1
HBK RY5521	Hornbeck	64.0	—	—	9-26	29	1
DG 5565RR2	Delta Grow	63.8	—	—	9-26	23	1
X1218	Armor	63.5	—	—	9-27	26	1
Progeny 5650RR	Progeny	63.5	65.6	54.2	9-30	30	1
DG 5275RR2	Delta Grow	63.5	69.6	—	9-26	26	1
HBK RY5220	Hornbeck	63.4	66.3	—	9-25	26	1

[1](E) = Experimental.

Table 31 (cont.). Roundup Ready Maturity Group V Early Irrigated Soybeans (Dulaney Farms, Coahoma County).[1]

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		2011	2-yr. avg.	3-yr. avg.			
		bu/A	*bu/A*	*bu/A*		*in*	
Progeny 5622RR	Progeny	63.3	68.9	59.9	9-29	29	1
Progeny 5610RY (E)	Progeny	62.9	69.0	—	9-26	28	1
95Y01	Pioneer	62.7	64.7	—	9-23	34	1
55R21 TM	REV ™	62.6	64.7	—	9-30	38	1
DG 5545RR	Delta Grow	62.4	—	—	9-29	27	1
5220.RC	Schillinger	62.4	—	—	9-27	41	1
51R53TM	REV R	62.3	—	—	9-25	34	1
AGS 568RR	AGS	62.3	65.7	58.2	9-28	28	1
557.RC	Schillinger	62.2	61.1	57.6	9-29	26	1
56R63TM	REV R	62.2	—	—	9-27	30	1
53-R15	Armor	62.0	—	—	9-26	24	1
HBK RY5221	Hornbeck	62.0	—	—	9-22	38	2
HBK R5525	Hornbeck	62.0	62.7	53.4	9-30	24	1
95Y30	Pioneer	61.9	67.4	58.8	9-26	30	1
AGS 554RR	AGS	61.8	65.7	58.5	9-29	31	1
HBK R5226	Hornbeck	61.8	64.0	54.6	9-26	24	1
Progeny 5321RY	Progeny	61.5	—	—	9-27	50	1
X1217	Armor	61.5	—	—	9-26	24	1
HBK RY5421	Hornbeck	61.4	—	—	9-24	27	1
NK S56-G6 Brand	NK Brand	61.4	62.5	—	9-29	27	1
56R21 TM	REV ™	61.4	68.2	—	9-26	26	1
USG 75Z38	USG	61.4	—	—	9-29	25	1
DG 5252RR2	Delta Grow	61.2	—	—	9-25	23	1
DK 5363	Delta King	61.1	64.6	57.5	9-29	30	1
DG 35F55	Dyna-Gro	61.0	65.2	58.4	9-27	32	1
DG5160RR/STS	Delta Grow	61.0	—	—	9-23	39	1
S54-V4 Brand	NK Brand	60.7	—	—	9-28	26	1
Everest 1251 RR2Y	Merschman	60.4	—	—	9-23	27	1
RC 5007S	Croplan Genetics	60.3	64.0	59.3	9-25	30	1
DG 5280RR	Delta Grow	60.2	62.6	56.7	9-30	28	1
RT 5429N	MorSoy	60.0	64.5	—	9-27	27	1
51X31	Morsoy Xtra	59.7	—	—	9-22	26	1
53X51	Morsoy Xtra	58.6	—	—	9-29	31	1
Progeny 5330RR	Progeny	58.4	63.1	—	9-26	31	1
54X41	Morsoy Xtra	58.3	—	—	9-26	25	1
Progeny 5655RY	Progeny	57.7	—	—	9-26	31	1
DG5300RR/STS	Delta Grow	56.8	64.0	57.1	9-26	26	1
DG 5110RR2	Delta Grow	56.7	—	—	9-20	39	1
DG 5555RR	Delta Grow	56.7	62.7	54.9	9-27	31	1
X1213	Armor	56.2	—	—	9-26	26	1
DG 35P53	Dyna-Gro	56.0	64.1	—	9-26	33	1
Progeny 5210RY (E)	Progeny	56.0	67.0	—	9-26	23	1
AG5232	Asgrow	55.1	—	—	9-24	28	1
Progeny 5111RY	Progeny	55.1	—	—	9-21	26	1
X1216	Armor	54.6	—	—	9-22	27	1
DG 5656RR2	Delta Grow	53.9	—	—	9-25	24	1
R2C5360	Croplan Genetics	52.3	—	—	9-24	31	1
Mean		61.2	65.3	57.3			
LSD .1		7.5					
Error df		124					
CV		9.1					
R sq		37.8					

[1](E) = Experimental.

Table 32. Roundup Ready Maturity Group V Late Irrigated Soybeans (Dulaney Farms, Coahoma County).

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		2011	2-yr. avg.	3-yr. avg.			
		bu/A	*bu/A*	*bu/A*		*in*	
39RY57	Dyna-Gro	69.0	—	—	9-27	26	1
Progeny 5711RY	Progeny	65.1	—	—	9-28	28	1
AG5831	Asgrow	63.3	69.1	—	9-28	24	1
Progeny 5811RY	Progeny	62.6	—	—	9-27	31	1
AGS 597	AGS	60.7	67.6	60.3	9-30	28	1
95Y70	Pioneer	60.5	63.6	54.9	9-30	36	1
AGS 606RR	AGS	60.4	62.6	54.6	9-30	25	1
USG 75Z98	USG	60.1	—	—	9-30	22	1
57R21 TM	REV ™	60.0	67.1	—	9-28	23	1
AG5832	Asgrow	58.0	—	—	9-29	47	1
NK S57-K3 Brand	NK Brand	58.0	62.4	—	9-29	29	1
Mean		61.6	65.4	56.6			
LSD .1		4.1					
Error df		20					
CV		4.7					
R sq		65.9					

Location 2. Mattson Farms, Clarksdale (Nonirrigated)

Location Summary

The soybean plots were planted into a well-prepared seedbed with adequate soil moisture. All plots quickly emerged to a good stand. The growing season was extremely dry, but timely rains late in the season kept the plots from being stressed. Harvest was completed in a timely manner, and good yields were observed.

Soil type: . . . . . **Silt Loam**

Soil pH: **5.2**

Soil fertility: . . . . . **P=H; K=H**

Fertilizer added: . . . . . **None**

Herbicide applications: . . . . **Preemergence — Roundup Powermax @ 22oz/A, Dual II Magnum @ 24 oz/A, and Authority MTZ @ 12 oz/A on May 11**
Postemergence — Roundup Powermax @ 22 oz/A, Ultra Blazer @ 8 oz/A, and Firstrate @ 0.3 oz/A on June 14
Postemergence — Roundup Powermax @ 22 oz/A and Firstrate @ 0.3 oz/A

Planting date: . . . . . **May 11**

Previous crop: . . . . . **Soybeans**

Harvest date: . . . . . **Group IV Early and IV Late Roundup Ready on September 21**

Rainfall Summary

	Inches
May	2.5
June	0.2
July	2.4
August	3.3
September	3.8
Total	12.2

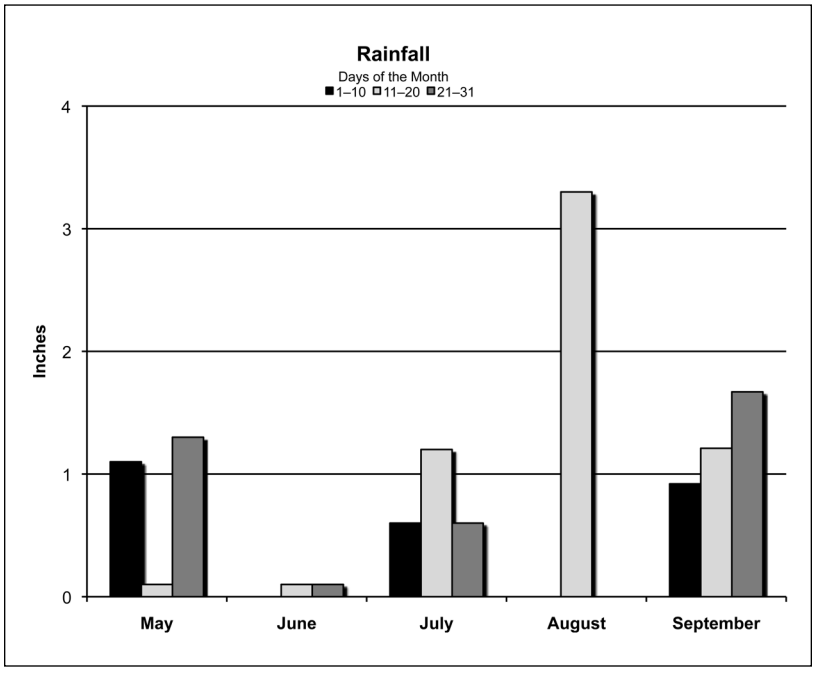

Table 33. Roundup Ready Maturity Group IV Early Nonirrigated Soybeans (Coahoma County).

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		2011	2-yr. avg.	3-yr. avg.			
		bu/A	*bu/A*	*bu/A*		*in*	
Progeny 4211RY	Progeny	69.6	—	—	9-19	33	1
46X29	Morsoy Xtra	67.5	—	—	9-25	30	1
Progeny 4611RY	Progeny	65.4	—	—	9-23	31	1
AG4632	Asgrow	65.1	—	—	9-21	36	1
34RY46	Dyna-Gro	63.1	37.2	—	9-24	29	1
S44-D5 Brand	NK Brand	61.6	37.7	41.2	9-25	32	1
Phoenix 1245 RR2Y	Merschman	60.5	—	—	9-24	34	1
46X71	Morsoy Xtra	58.5	—	—	9-21	34	1
94Y40	Pioneer	58.5	32.1	—	9-20	29	1
AG4531	Asgrow	57.9	34.4	—	9-25	34	1
94Y50	Pioneer	57.1	—	—	9-24	33	1
Progeny 4510RY	Progeny	55.8	33.4	—	9-25	28	1
DG 4670RR2	Delta Grow	54.5	—	—	9-23	28	1
DG4460RR	Delta Grow	54.3	—	—	9-24	31	1
457.RCP	Schillinger	54.2	30.3	39.3	9-22	38	1
31RY45	Dyna-Gro	51.8	—	—	9-21	31	1
44R22 TM	REVR	51.7	31.5	—	9-20	31	1
45R10 TM	REVR	49.7	28.0	36.8	9-21	36	1
R2C4520	Croplan Genetics	49.5	—	—	9-21	27	1
HBK RY4620	Hornbeck	49.3	—	—	9-25	29	1
94Y61	Pioneer	49.3	—	—	9-25	37	1
74C69	USG	48.7	27.6	—	9-25	29	1
HBK R4527	Hornbeck	48.2	30.4	40.6	9-23	37	1
458.RCS	Schillinger	43.4	29.1	35.6	9-24	27	1
93Y92	Pioneer	38.4	27.0	—	9-20	28	1
Mean		55.3	31.6	38.7			
LSD .1		8.3					
Error df		48					
CV		10.9					
R sq		76.3					

Table 34. Roundup Ready Maturity Group IV Late Nonirrigated Soybeans (Coahoma County).[1]

Variety	Brand	Yield[2]			Maturity date	Plant height	Lodging score
		2011	2-yr. avg.	3-yr. avg.			
		bu/A	*bu/A*	*bu/A*		*in*	
48R33 TM	REV ™	68.0	—	—	9-24	36	1
R2T4799S	Croplan Genetics	67.4	—	—	9-20	28	1
DG 4880RR	Delta Grow	66.8	37.7	—	9-25	41	1
49R11 TM	REV ™	66.7	37.0	—	9-23	33	1
DG 4470RR/STS	Delta Grow	66.4	—	—	9-22	40	1
74H81	USG	66.2	—	—	9-21	40	1
DKR 4744s	Delta King	66.2	30.9	—	9-25	34	1
RTS 4824	Morsoy	65.3	35.7	—	9-27	33	1
48X00	Morsoy Xtra	64.9	—	—	9-24	31	1
Progeny 4911RY	Progeny	63.7	—	—	9-25	38	1
49R43 TM	REV ™	63.7	—	—	9-26	30	1
DG 4875RR2	Delta Grow	63.6	—	—	9-28	36	1
DG 4970RR	Delta Grow	63.5	38.9	—	9-27	45	2
47R22 TM	REV ™	63.4	39.7	—	9-24	34	1
X1211	Armor	63.3	—	—	9-26	34	1
94Y70	Pioneer	63.2	39.9	—	9-26	35	1
HBK RY4721	Hornbeck	62.3	—	—	9-25	29	1
47R53 TM	REV ™	61.7	—	—	9-24	32	1
478.RCS	Schillinger	61.7	33.9	—	9-27	36	1
48R22 TM	REV ™	61.7	40.9	—	9-24	31	1
94Y90	Pioneer	61.6	40.8	—	9-25	36	1
S08-14087RR	Univ. of Missouri	61.6	—	—	9-25	44	1
49X10	Morsoy Xtra	61.6	—	—	9-27	38	1
HBK R4830	Hornbeck	61.5	—	—	9-26	40	1
HBK R4924	Hornbeck	60.9	37.3	—	9-27	43	1

[1](E)=Experimental.
[2]No 3-year yields.

Table 34 (cont.). Roundup Ready Maturity Group IV Late Nonirrigated Soybeans (Coahoma County).[1]

Variety	Brand	Yield[2]			Maturity date	Plant height	Lodging score
		2011	2-yr. avg.	3-yr. avg.			
		bu/A	*bu/A*	*bu/A*		*in*	
94Y80	Pioneer	60.6	38.5	—	9-26	36	1
AG4730	Asgrow	60.5	37.3	—	9-25	34	1
AG4732	Asgrow	60.3	—	—	9-24	36	1
NK S47-R3 Brand	NK Brand	60.3	35.0	—	9-26	32	1
47X31	Morsoy Xtra	60.3	—	—	9-26	38	1
49R22 TM	REV ™	59.9	38.1	—	9-23	35	1
48RC32	Stine	59.8	—	—	9-27	36	1
HBK R4829	Hornbeck	59.8	41.2	—	9-27	32	1
AG 4832	Asgrow	59.8	—	—	9-26	38	1
495.RC	Schillinger	59.7	35.2	—	9-28	36	1
Progeny 4908RR (E)	Progeny	59.6	38.5	—	9-26	40	1
Progeny 4710RY (E)	Progeny	59.5	37.8	—	9-26	35	1
USG 7495nRS	USG	59.3	—	—	9-24	24	1
AG 4932	Asgrow	59.2	—	—	9-26	33	1
RC 4757S	Croplan Genetics	58.8	34.5	—	9-25	32	1
X1208	Armor	58.6	—	—	9-23	37	1
X1209	Armor	58.1	—	—	9-23	40	1
33RY47	Dyna-Gro	58.1	—	—	9-24	35	1
MorSoy RT4707	MorSoy	58.0	39.8	—	9-26	33	1
USG 74A79	USG	57.7	—	—	9-27	31	1
Progeny 4906RR	Progeny	57.6	37.5	—	9-24	42	1
Progeny 4807RR	Progeny	57.5	36.4	—	9-23	36	1
4990.RC	Schillinger	57.4	32.7	—	9-28	32	1
USG 74F96	USG	57.2	—	—	9-25	40	1
X1210	Armor	55.6	—	—	9-25	39	1
Progeny 4750 RR	Progeny	55.4	41.4	—	9-26	35	1
Progeny 4811RY	Progeny	55.1	—	—	9-26	38	1
46R73 TM	REV ™	54.0	—	—	9-22	34	1
DG4975RR	Delta Grow	53.9	33.6	—	9-25	41	1
DG 33G48	Dyna-Gro	53.7	41.2	—	9-25	34	1
RC 4877	Croplan Genetics	53.2	41.9	—	9-24	31	1
S49-H7 Brand	NK Brand	51.6	35.0	—	9-26	35	1
HBK R4729	Hornbeck	47.3	—	—	9-24	34	1
48R10 TM	REV ™	46.9	41.1	—	9-24	38	1
Mean		60	37.6				
LSD .1		9.7					
Error df		116					
CV		12					
R-square		43					

[1](E)=Experimental.
[2]No 3-year yields.

Location 3. Todd Williams Farm, Olive Branch

Location Summary

The soybean plots were planted into a well-prepared seedbed following last years corn crop. Soil moisture was good, and all plots germinated quickly. Some timely rains throughout the summer allowed for good yields. Harvest was completed in a timely manner.

Soil type: . . . . . **Collins Silt Loam**

Soil pH: **6.4**

Soil fertility: . . . . . **P=H; K=H**

Fertilizer added: . . . . . **P_2O_5 @ 60 lb/A, K_2O @ 80 lb/A, S @ 15 lb/A and B @ 1 lb/A**

Herbicide applications: . . . . **Preemergence — Authority MTZ @ 10 oz/A and Dual II Magnum @ 24 oz/A**
Postemergence — Roundup Powermax @ 22 oz/A and Dual II Magnum @ 1 pt/A
Postemergence — Roundup Powermax @ 22 oz/A

Planting date: . . . . . **May 12**

Harvest date: . . . . . **September 29**

Previous crop: . . . . . **Corn**

Rainfall Summary

	Inches
April	14.72
May	2.31
June	3.95
July	0.80
August	3.42
September	4.73
Total	29.93

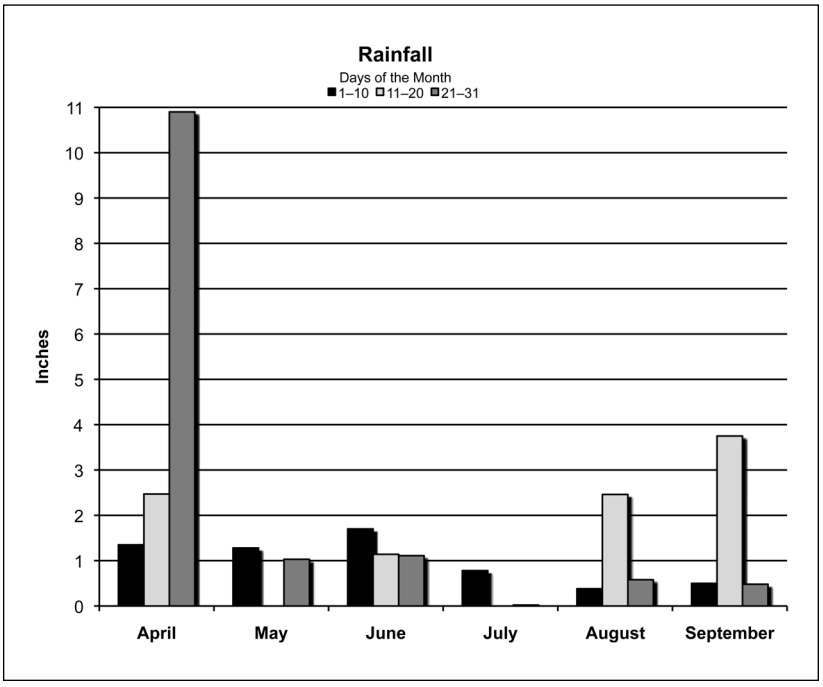

Table 35. Roundup Ready Maturity Group IV Early Soybeans (Todd Williams Farm, DeSoto County).

Variety	Brand	Yield			Maturity date[1]	Plant height	Lodging score
		2011	2-yr. avg.	3-yr. avg.			
		bu/A	*bu/A*	*bu/A*		*in*	
Progeny 4211RY	Progeny	77.5	—	—	—	33	2
AG4632	Asgrow	73.7	—	—	—	40	2
31RY45	Dyna-Gro	73.4	—	—	—	34	2
Progeny 4611RY	Progeny	72.8	—	—	—	40	1
AG4531	Asgrow	72.5	59.3	—	—	36	1
46X29	Morsoy Xtra	72.2	—	—	—	37	1
94Y40	Pioneer	71.4	61.2	—	—	32	1
46X71	Morsoy Xtra	70.1	—	—	—	39	1
34RY46	Dyna-Gro	69.8	56.9	—	—	33	1
R2C4520	Croplan Genetics	69.3	—	—	—	32	2
94Y50	Pioneer	68.8	—	—	—	36	1
S44-D5 Brand	NK Brand	68.4	53.8	57.8	—	34	1
457.RCP	Schillinger	68.0	56.3	56.0	—	47	1
458.RCS	Schillinger	67.7	54.2	63.0	—	35	1
44R22 TM	REVR	67.3	64.4	—	—	36	1
DG 4670RR2	Delta Grow	67.2	—	—	—	38	1
HBK RY4620	Hornbeck	67.1	—	—	—	35	1
Phoenix 1245 RR2Y	Merschman	66.8	—	—	—	35	1
Progeny 4510RY	Progeny	66.7	55.1	—	—	34	1
93Y92	Pioneer	66.4	55.6	—	—	34	2
DG4460RR	Delta Grow	65.6	—	—	—	37	1
HBK R4527	Hornbeck	64.3	56.1	62.5	—	36	2
45R10 TM	REVR	64.0	56.1	62.6	—	45	1
94Y61	Pioneer	62.8	—	—	—	35	1
74C69	USG	58.8	56.4	—	—	45	2
Mean		68.5	57.1	60.4			
LSD		5					
Error df		48					
CV		5.3					
R sq		82.2					

[1]No Maturity date taken.

Table 36. Roundup Ready Maturity Group IV Late Soybeans (Todd Williams Farm, DeSoto County).[1]

Variety	Brand	Yield			Maturity date[2]	Plant height	Lodging score
		2011	2-yr. avg.	3-yr. avg.			
		bu/A	*bu/A*	*bu/A*		*in*	
DG4975RR	Delta Grow	72.5	59.5	63.9	—	46	3
94Y70	Pioneer	71.7	58.4	61.9	—	39	1
74H81	USG	70.9	—	—	—	37	2
49X10	Morsoy Xtra	70.8	—	—	—	38	2
HBK RY4721	Hornbeck	70.6	—	—	—	43	1
Progeny 4906RR	Progeny	70.5	59.6	63.3	—	46	1
MorSoy RT4707	MorSoy	70.3	58.0	58.3	—	44	1
AG4732	Asgrow	70.2	—	—	—	39	1
DKR 4744s	Delta King	70.0	51.4	—	—	38	1
495.RC	Schillinger	69.6	62.9	62.8	—	42	4
4990.RC	Schillinger	68.8	60.0	68.4	—	40	2
48R33 TM	REV ™	68.6	—	—	—	38	1
USG 74F96	USG	68.4	—	—	—	37	1
47R53 TM	REV ™	68.1	—	—	—	36	2
Progeny 4807RR	Progeny	68.0	57.3	59.7	—	40	1
S08-14087RR	Univ. of Missouri	68.0	—	—	—	42	1
NK S47-R3 Brand	NK Brand	67.9	55.5	—	—	44	2
94Y80	Pioneer	67.7	55.7	64.1	—	40	3
RC 4877	Croplan Genetics	67.5	59.6	59.8	—	42	1
USG 74A79	USG	67.5	—	—	—	36	1
R2T4799S	Croplan Genetics	67.5	—	—	—	36	1
478.RCS	Schillinger	67.4	60.5	60.9	—	36	4
47X31	Morsoy Xtra	67.4	—	—	—	48	1
Progeny 4911RY	Progeny	67.3	—	—	—	47	1

[1](E)=Experimental.
[2]No Maturity date taken.

Table 36 (cont.). Roundup Ready Maturity Group IV Late Soybeans (Todd Williams Farm, DeSoto County).[1]

Variety	Brand	Yield			Maturity date[2]	Plant height	Lodging score
		2011	2-yr. avg.	3-yr. avg.			
		bu/A	*bu/A*	*bu/A*		*in*	
94Y90	Pioneer	67.1	60.1	65.0	—	35	2
AG4730	Asgrow	66.9	60.3	—	—	38	1
X1209	Armor	66.9	—	—	—	44	1
USG 7495nRS	USG	66.8	—	—	—	35	1
AG 4932	Asgrow	66.6	—	—	—	40	2
48X00	Morsoy Xtra	66.5	—	—	—	40	2
DG 4970RR	Delta Grow	66.2	53.8	57.1	—	45	4
AG 4832	Asgrow	66.1	—	—	—	41	1
HBK R4829	Hornbeck	66.0	60.5	—	—	38	4
Progeny 4710RY (E)	Progeny	65.6	59.1	—	—	33	1
DG 4470RR/STS	Delta Grow	65.1	—	—	—	43	1
49R22 TM	REV ™	64.2	57.2	—	—	41	1
S49-H7 Brand	NK Brand	64.0	55.7	58.9	—	40	1
X1211	Armor	63.6	—	—	—	35	1
Progeny 4811RY	Progeny	63.5	—	—	—	40	1
DG 33G48	Dyna-Gro	63.5	63.2	—	—	39	3
Progeny 4908RR (E)	Progeny	63.4	62.5	65.9	—	39	1
RTS 4824	Morsoy	63.4	61.4	—	—	40	2
DG 4880RR	Delta Grow	63.3	59.3	—	—	34	4
48RC32	Stine	63.1	—	—	—	38	1
X1210	Armor	63.1	—	—	—	40	3
49R43 TM	REV ™	62.7	—	—	—	37	3
33RY47	Dyna-Gro	61.6	—	—	—	43	3
47R22 TM	REV ™	61.5	50.9	—	—	39	1
Progeny 4750 RR	Progeny	61.2	60.5	—	—	34	1
X1208	Armor	60.6	—	—	—	41	1
HBK R4924	Hornbeck	60.3	60.0	61.0	—	42	2
DG 4875RR2	Delta Grow	59.9	—	—	—	37	1
49R11 TM	REV ™	57.4	59.3	55.6	—	33	1
HBK R4729	Hornbeck	57.2	—	—	—	36	3
HBK R4830	Hornbeck	56.9	—	—	—	42	1
RC 4757S	Croplan Genetics	55.8	57.6	56.5	—	29	1
46R73 TM	REV ™	55.5	—	—	—	37	1
48R22 TM	REV ™	55.4	57.9	—	—	33	2
48R10 TM	REV ™	55.2	52.6	54.7	—	33	2
MEAN		65.1	58.3	61.0			
LSD .1		5.94					
Error df		116					
CV		6.7					
R sq		76.7					

[1](E)=Experimental.
[2]No Maturity date taken.

Table 37. Roundup Ready Maturity Group V Early Soybeans (Todd Williams Farm, Desoto County).[1]

Variety	Brand	Yield			Maturity date[2]	Plant height	Lodging score
		2011	2-yr. avg.	3-yr. avg.			
		bu/A	*bu/A*	*bu/A*		*in*	
95Y01	Pioneer	67.4	62.2	—	—	40	3
DG5160RR/STS	Delta Grow	67.4	—	—	—	43	1
HBK R5529	Hornbeck	66.4	59.2	—	—	21	1
Progeny 5650RR	Progeny	66.2	56.9	64.5	—	33	1
AG5532	Asgrow	65.4	—	—	—	35	2
95Y40	Pioneer	65.3	—	—	—	27	1
Progeny 5330RR	Progeny	65.1	67.0	—	—	27	2
AG5332	Asgrow	64.4	—	—	—	42	1
DG 5252RR2	Delta Grow	64.1	—	—	—	26	1
HBK RY5121	Hornbeck	63.0	—	—	—	31	1
5220.RC	Schillinger	63.0	—	—	—	40	1
AGS 568RR	AGS	62.9	65.5	67.3	—	32	1
55R21 TM	REV ™	62.4	61.9	—	—	35	1

[1](E)=Experimental.
[2]No Maturity date taken.

Table 37 (cont.). Roundup Ready Maturity Group V Early Soybeans (Todd Williams Farm, Desoto County).[1]

Variety	Brand	Yield			Maturity date[2]	Plant height	Lodging score
		2011	2-yr. avg.	3-yr. avg.			
		bu/A	*bu/A*	*bu/A*		*in*	
53-R15	Armor	62.1	—	—	—	31	1
X1215	Armor	62.1	—	—	—	40	1
DG 5555RR	Delta Grow	61.8	56.7	61.4	—	34	1
Progeny 5622RR	Progeny	61.8	65.4	71.2	—	36	1
X1216	Armor	61.5	—	—	—	31	1
DG 37RY52	Dyna-Gro	61.2	59.4	—	—	30	1
AGS 554RR	AGS	61.1	70.5	76.7	—	32	1
DK 5363	Delta King	61.1	62.0	69.3	—	37	1
DG5300RR/STS	Delta Grow	60.9	57.2	64.5	—	29	1
DG 5275RR2	Delta Grow	60.7	56.7	—	—	29	1
MorSoy RT5168N (E)	MorSoy	60.5	54.2	60.8	—	43	3
53X51	Morsoy Xtra	60.3	—	—	—	44	3
Progeny 5655RY	Progeny	60.3	—	—	—	37	1
USG 75Z38	USG	60.0	—	—	—	35	1
56R63TM	REV R	59.8	—	—	—	37	1
DG 5545RR	Delta Grow	59.8	—	—	—	33	2
NK S56-G6 Brand	NK Brand	59.8	58.7	—	—	31	1
DG 5280RR	Delta Grow	59.5	57.2	61.8	—	26	1
HBK RY5521	Hornbeck	59.5	—	—	—	38	1
HBK RY5221	Hornbeck	59.4	—	—	—	42	1
557.RC	Schillinger	59.0	54.9	61.1	—	30	1
RC 5007S	Croplan Genetics	58.4	49.9	58.6	—	29	1
95Y30	Pioneer	58.3	53.3	57.8	—	37	2
51R53TM	REV R	58.3	—	—	—	38	1
DG 5110RR2	Delta Grow	58.0	—	—	—	50	1
56R21 TM	REV ™	58.0	55.8	—	—	26	1
Progeny 5610RY (E)	Progeny	57.6	57.0	—	—	32	1
HBK RY5421	Hornbeck	57.0	—	—	—	32	1
Progeny 5210RY (E)	Progeny	56.9	55.4	—	—	31	1
R2C5360	Croplan Genetics	56.3	—	—	—	30	1
51X31	Morsoy Xtra	56.0	—	—	—	28	1
AG5632	Asgrow	56.0	—	—	—	31	1
DG 35P53	Dyna-Gro	56.0	58.2	—	—	36	1
32RY55	Dyna-Gro	55.8	—	—	—	37	1
HBK RY5220	Hornbeck	55.5	52.4	—	—	33	1
DG 35F55	Dyna-Gro	55.5	55.8	60.0	—	32	1
X1213	Armor	55.2	—	—	—	29	1
DG 5656RR2	Delta Grow	54.9	—	—	—	34	1
AG5232	Asgrow	54.9	—	—	—	25	1
RT 5429N	MorSoy	54.5	53.2	—	—	37	1
Progeny 5321RY	Progeny	54.0	—	—	—	53	2
S54-V4 Brand	NK Brand	53.9	—	—	—	25	1
DG 5565RR2	Delta Grow	53.7	—	—	—	30	1
54X41	Morsoy Xtra	52.7	—	—	—	32	1
HBK R5226	Hornbeck	52.5	56.0	65.0	—	27	1
X1217	Armor	52.1	—	—	—	21	1
Everest 1251 RR2Y	Merschman	51.9	—	—	—	31	1
HBK R5525	Hornbeck	51.3	53.0	61.9	—	27	1
X1218	Armor	51.1	—	—	—	28	1
Progeny 5111RY	Progeny	47.1	—	—	—	28	1
Overall Mean		58.9	58.1	64.1			
LSD (.10)		7.4					
Error degrees of freedom		124.0					
CV (%)		9.3					
R^2 (%)		69.5					

[1](E)=Experimental.
[2]No Maturity date taken.

Table 38. Roundup Ready Maturity Group V Late Soybeans (Todd Williams Farm, DeSoto County).

Variety	Brand	Yield			Maturity date[1]	Plant height	Lodging score
		2011	2-yr. avg.	3-yr. avg.			
		bu/A	*bu/A*	*bu/A*		*in*	
AGS 606RR	AGS	61.7	50.2	61.0	—	32	1
NK S57-K3 Brand	NK Brand	59.3	57.4	—	—	31	1
AGS 597	AGS	58.5	52.8	58.3	—	33	1
Progeny 5811RY	Progeny	57.5	—	—	—	37	2
AG5832	Asgrow	56.6	—	—	—	47	1
39RY57	Dyna-Gro	55.7	—	—	—	28	2
Progeny 5711RY	Progeny	53.3	—	—	—	30	1
95Y70	Pioneer	52.1	51.3	61.5	—	40	2
AG5831	Asgrow	51.5	44.7	—	—	23	1
USG 75Z98	USG	51.1	—	—	—	32	1
57R21 TM	REV ™	48.5	44.1	—	—	36	1
Mean		55.1	50.1	60.3			
LSD .1		4.7					
Error df		20					
CV		6					
R sq		79.6					

[1]No Maturity date taken.

Location 4. Steele Farms, Longwood

Location Summary

The plots were planted into a stale seedbed following the previous years rice crop. The plots quickly emerged to a good stand. Timely irrigations allowed for good soil moisture throughout the growing season. Heavy rains at maturity delayed harvest by a couple of weeks, resulting in a considerable amount of shattering before the plots were harvested. As a result, below-average yields were observed.

Soil type: . . . . . **Sharkey clay**

Soil pH: **7.1**

Soil fertility: . . . . . **P=H; K=H**

Fertilizer added: . . . . . **None**

Herbicide applications: . . . . **Preemergence — Authority MTZ @ 12 oz/A, Dual II Magnum @ 1 qt/A, Python @ 1.25 oz/A and Roundup Powermax @ 22 oz/A on May 9**
Postemergence — Roundup Ready – Roundup Powermax @ 22 oz/A and Firstrate @ 0.6 oz/A on July 12
Postemergence — Conventional – Select Max @ 12 oz/A and Firstrate @ 0.6 oz/A on July 12

Fungicide applications: . . . . **Quadris @ 4 oz/A**

Irrigation dates: . . . . . **June 20, July 11, and July 26**

Planting date: . . . . . **May 9**

Previous crop: . . . . . **Rice**

Harvest date: . . . . . **October 4**

Rainfall Summary

	Inches
May	0.00
June	0.46
July	0.96
August	8.62
September	9.53
October	0.86
Total	20.07

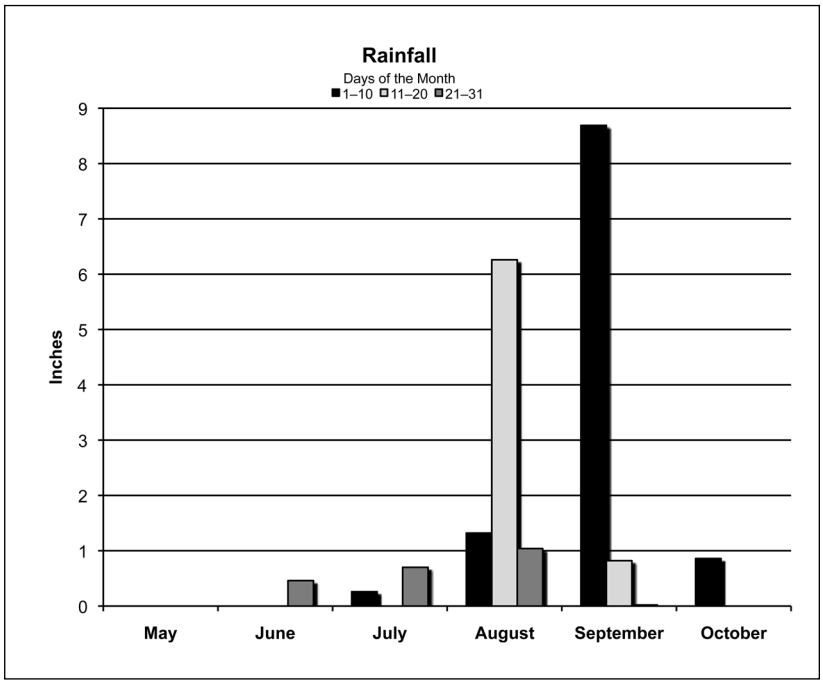

Table 39. Maturity Group IV Conventional Irrigated Soybeans (Steele Farms, Washington County).

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		2011	2-yr. avg.	3-yr. avg.			
		bu/A	*bu/A*	*bu/A*		*in*	
S08-17361	University of Missouri	46.9	—	—	9-21	27	1
CB4860	Morsoy	46.7	—	—	9-18	34	1
MIAMI 949LL	Merschman	45.7	55.3	59.1	9-18	31	1
4810LL	GoSoy	45.6	—	—	9-12	32	1
Progeny 4928LL	Progeny	45.0	52.7	—	9-22	26	1
Progeny P4910	Progeny	44.3	55.7	55.2	9-20	35	1
HBK C4929	Hornbeck	44.1	57.9	55.5	9-21	34	1
4411LL	GoSoy	43.4	—	—	9-8	30	1
33LL49	Dyna-Gro	42.9	—	—	9-29	28	1
HBK C4926	Hornbeck	42.6	54.4	57.5	9-19	35	1
Halo 4:94	US Seeds	41.8	46.2	57.0	9-25	28	1
Tampa 1245LL	Merschman	41.3	—	—	9-4	26	1
Halo 4:65	US Seeds	39.5	41.3	50.7	9-4	31	1
UA 4910	University of Arkansas	38.7	45.2	—	9-16	27	1
HALO 4:75	US Seeds	35.9	—	—	9-6	30	1
Hanover	VA Tech	34.4	—	—	9-19	16	1
DG 4861LL	Delta Grow	32.9	56.8	—	9-7	29	1
LG04-1459-6	USDA-ARS	30.9	—	—	9-2	22	1
Y227-1	USDA-ARS	28.1	54.0	—	9-4	25	1
Mean		40.6	52.0	55.8			
LSD .1		5.2					
Error df		36					
CV		9.3					
R sq		82.5					

Table 40. Maturity Group V Conventional Irrigated Soybeans (Steele Farms, Washington County).[1]

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		2011	2-yr. avg.	3-yr. avg.			
		bu/A	*bu/A*	*bu/A*		*in*	
DG5461LL	Delta Grow	54.7	56.5	—	9-19	22	1
50LC82	Stine	48.5	—	—	9-24	33	1
Progeny 5160LL (E)	Progeny	47.2	47.9	—	9-23	22	1
DB03-8416(E)	USDA-ARS	45.8	56.4	51.3	9-23	19	1
Progeny P5770	Progeny	45.0	56.1	52.1	9-22	14	1
Progeny P4910	Progeny	44.2	—	—	9-20	16	1
Progeny 5460LL (E)	Progeny	44.0	54.8	—	9-22	16	1
Halo 5:25	US Seeds	44.0	49.9	45.2	9-22	38	1
DB04-10836(E)	USDA-ARS	43.4	57.2	52.6	9-25	19	1
Osage	University of Arkansas	43.4	46.7	43.0	9-22	17	1
Progeny 5191	Progeny	43.3	—	—	9-13	23	1
HBK C5528	Hornbeck	42.5	47.0	42.5	9-29	22	1
HBK C5025	Hornbeck	42.5	53.0	51.3	9-24	19	1
DB06-2257(E)	USDA-ARS	42.4	51.6	—	9-23	22	1
CB 5209	Morsoy	42.4	51.0	—	9-22	17	1
DB00-087-08(E)	USDA-ARS	42.1	—	—	9-22	15	1
Progeny 5960LL (E)	Progeny	41.6	50.0	—	9-27	16	1
Progeny 5261LL	Progeny	41.6	—	—	9-22	20	1
Halo 5:65	US Seeds	41.2	48.1	44.8	9-24	19	1
5911LL	GoSoy	40.5	—	—	9-25	30	1
5111LL	GoSoy	40.1	—	—	9-23	17	1
AGS 6011LL	AGS	38.9	—	—	9-22	22	1
DB06-3442(E)	USDA-ARS	37.2	—	—	9-12	17	1
AGS 5911LL	AGS	36.1	—	—	9-25	21	1
Glenn	VA Tech	36.0	—	—	9-13	20	1
34LL53	Dyna-Gro	34.0	—	—	9-21	16	1
Ozark	University of Arkansas	31.2	35.4	—	9-21	15	1
Mean		42	50.1	47.2			
LSD .1		6.7					
Error df		52					
CV		11.7					
R sq		62					

[1](E) = Experimental.

Table 41. Roundup Ready Maturity Group IV Early Soybeans (Steele Farms, Washington County).

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		2011	2-yr. avg.	3-yr. avg.			
		bu/A	*bu/A*	*bu/A*		*in*	
AG4531	Asgrow	56.2	67.0	—	9-12	26	1
Progeny 4510RY	Progeny	54.0	63.2	—	9-12	26	1
DG 4670RR2	Delta Grow	53.6	—	—	9-10	26	1
Phoenix 1245 RR2Y	Merschman	53.0	—	—	9-11	29	1
46X71	Morsoy Xtra	52.7	—	—	9-11	28	1
31RY45	Dyna-Gro	52.5	—	—	9-12	30	1
Progeny 4611RY	Progeny	52.2	—	—	9-11	29	1
93Y92	Pioneer	50.8	48.8	—	8-31	21	1
46X29	Morsoy Xtra	50.4	—	—	9-13	28	1
AG4632	Asgrow	47.0	—	—	9-12	27	1
34RY46	Dyna-Gro	46.2	57.2	—	9-13	28	1
94Y61	Pioneer	46.2	—	—	9-10	29	1
Progeny 4211RY	Progeny	45.8	—	—	9-3	25	1
94Y50	Pioneer	44.7	—	—	9-10	26	1
94Y40	Pioneer	42.8	52.8	—	9-3	20	1
HBK RY4620	Hornbeck	41.0	—	—	9-15	26	1
74C69	USG	40.6	50.2	—	9-14	32	1
S44-D5 Brand	NK Brand	38.3	49.8	47.4	9-12	29	1
R2C4520	Croplan Genetics	38.1	—	—	9-8	22	1
44R22 TM	REVR	37.2	50.9	—	9-7	24	1
457.RCP	Schillinger	35.4	50.0	48.5	9-10	29	1
HBK R4527	Hornbeck	34.8	51.0	50.1	9-12	26	1
458.RCS	Schillinger	34.4	45.1	40.1	9-9	27	1
DG4460RR	Delta Grow	33.2	—	—	9-18	28	1
45R10 TM	REVR	31.7	42.8	42.9	9-7	28	1
Mean		44.5	52.4	45.8			
LSD .1		5.4					
Error df		48					
CV		8.8					
R sq		87.4					

Table 42. Roundup Ready Maturity Group IV Late Irrigated Soybeans (Steele Farms, Washington County).[1]

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		2011	2-yr. avg.	3-yr. avg.			
		bu/A	*bu/A*	*bu/A*		*in*	
R2T4799S	Croplan Genetics	58.6	—	—	9-12	31	1
Progeny 4710RY (E)	Progeny	52.9	54.6	—	9-14	26	1
AG4730	Asgrow	52.1	60.4	—	9-11	28	1
AG 4932	Asgrow	51.2	—	—	9-20	35	1
47X31	Morsoy Xtra	50.9	—	—	9-16	33	1
48R33 TM	REV ™	49.8	—	—	9-7	31	1
X1209	Armor	48.5	—	—	9-11	34	1
AG4732	Asgrow	48.1	—	—	9-17	35	1
AG 4832	Asgrow	47.2	—	—	9-18	35	1
Progeny 4811RY	Progeny	46.6	—	—	9-13	30	1
Progeny 4911RY	Progeny	45.3	—	—	9-15	32	1
48RC32	Stine	45.1	—	—	9-19	30	1
X1208	Armor	45.1	—	—	9-11	36	1
DG4975RR	Delta Grow	45.0	56.4	53.1	9-16	28	1
47R53 TM	REV ™	44.4	—	—	9-7	29	1
94Y90	Pioneer	44.4	50.1	52.4	9-11	30	1
X1210	Armor	43.6	—	—	9-10	28	1
33RY47	Dyna-Gro	43.1	—	—	9-15	34	1
HBK RY4721	Hornbeck	43.1	—	—	9-12	36	1
RC 4757S	Croplan Genetics	42.4	50.1	49.4	9-17	31	1
USG 74A79	USG	42.3	—	—	9-17	26	1
Progeny 4906RR	Progeny	42.3	54.7	49.6	9-16	29	1
94Y70	Pioneer	41.8	53.1	50.4	9-9	25	1
RTS 4824	Morsoy	41.7	59.5	—	9-17	27	1
46R73 TM	REV ™	41.7	—	—	9-1	32	1
49X10	Morsoy Xtra	41.7	—	—	9-20	26	1

[1](E) = Experimental.

Table 42 (cont). Roundup Ready Maturity Group IV Late Irrigated Soybeans (Steele Farms, Washington County).[1]

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		2011	2-yr. avg.	3-yr. avg.			
		bu/A	*bu/A*	*bu/A*		*in*	
USG 7495nRS	USG	41.5	—	—	9-21	25	1
Progeny 4750 RR	Progeny	41.4	53.2	—	9-14	31	1
RC 4877	Croplan Genetics	41.2	48.7	49.6	9-17	31	1
USG 74F96	USG	41.0	—	—	9-22	31	1
S08-14087RR	Univ. of Missouri	40.9	—	—	9-14	33	1
74H81	USG	40.8	—	—	9-9	31	1
X1211	Armor	40.4	—	—	9-21	25	1
49R43 TM	REV ™	40.4	—	—	9-9	24	1
DKR 4744s	Delta King	40.3	54.4	—	9-16	25	1
DG 4875RR2	Delta Grow	40.0	—	—	9-16	34	1
48X00	Morsoy Xtra	40.0	—	—	9-18	22	1
MorSoy RT4707	MorSoy	39.6	45.4	47.4	9-18	30	1
NK S47-R3 Brand	NK Brand	39.4	47.0	—	9-15	31	1
495.RC	Schillinger	39.2	55.0	50.9	9-18	26	1
S49-H7 Brand	NK Brand	39.0	51.0	48.5	9-15	34	1
47R22 TM	REV ™	37.6	50.4	—	9-14	29	1
HBK R4924	Hornbeck	37.6	56.5	54.7	9-21	34	1
Progeny 4908RR (E)	Progeny	37.5	48.8	49.4	9-15	27	1
HBK R4829	Hornbeck	37.5	61.7	—	9-15	27	1
94Y80	Pioneer	37.4	50.5	51.6	9-10	28	1
HBK R4729	Hornbeck	37.1	—	—	9-17	23	1
DG 33G48	Dyna-Gro	36.8	47.6	—	9-14	26	1
Progeny 4807RR	Progeny	36.2	52.7	47.5	9-19	28	1
DG 4970RR	Delta Grow	35.0	50.6	47.4	9-17	30	1
478.RCS	Schillinger	35.0	57.4	49.8	9-21	29	1
48R22 TM	REV ™	35.0	44.0	—	9-8	26	1
48R10 TM	REV ™	34.9	41.6	49.1	9-13	28	1
4990.RC	Schillinger	34.8	51.3	51.1	9-21	34	1
HBK R4830	Hornbeck	34.2	—	—	9-15	30	1
49R22 TM	REV ™	32.8	55.5	—	9-13	31	1
DG 4470RR/STS	Delta Grow	32.6	—	—	9-4	26	1
DG 4880RR	Delta Grow	31.5	48.3	—	9-11	26	1
49R11 TM	REV ™	20.3	45.8	39.4	9-4	25	1
Mean		41.1	51.9	49.5			
LSD .1		5.1					
Error df		116					
CV		9.1					
R sq		83.6					

[1](E) = Experimental.

Table 43. Roundup Ready Maturity Group V Early Irrigated Soybeans (Steele Farms, Washington County).[1]

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		2011	2-yr. avg.	3-yr. avg.			
		bu/A	*bu/A*	*bu/A*		*in*	
51R53TM	REV R	53.1	—	—	9-17	32	1
DG 5110RR2	Delta Grow	50.9	—	—	9-18	43	1
MorSoy RT5168N (E)	MorSoy	49.1	56.7	48.1	9-23	32	1
HBK RY5221	Hornbeck	48.1	—	—	9-13	29	1
95Y01	Pioneer	47.6	52.9	—	9-19	29	1
56R63TM	REV R	46.9	—	—	9-23	26	1
AG5532	Asgrow	45.7	—	—	9-18	20	1
AG5332	Asgrow	45.5	—	—	9-20	30	1
DG 35P53	Dyna-Gro	44.7	50.8	—	9-22	22	1
AG5632	Asgrow	44.5	—	—	9-26	18	1
Progeny 5622RR	Progeny	44.4	48.6	47.8	9-23	22	1
Everest 1251 RR2Y	Merschman	44.1	—	—	9-11	17	1
DG 35F55	Dyna-Gro	44.0	49.3	49.4	9-27	17	1
5220.RC	Schillinger	43.9	—	—	9-24	28	1
USG 75Z38	USG	43.9	—	—	9-25	20	1
Progeny 5321RY	Progeny	43.8	—	—	9-22	40	1
HBK RY5121	Hornbeck	43.5	—	—	9-20	16	1

[1](E) = Experimental.

Table 43 (cont.). Roundup Ready Maturity Group V Early Irrigated Soybeans (Steele Farms, Washington County).[1]

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		2011	2-yr. avg.	3-yr. avg.			
		bu/A	*bu/A*	*bu/A*		*in*	
HBK RY5521	Hornbeck	43.5	—	—	9-21	18	1
S54-V4 Brand	NK Brand	42.8	—	—	9-26	15	1
DG 5545RR	Delta Grow	42.6	—	—	9-27	15	1
Progeny 5650RR	Progeny	42.4	47.2	45.7	9-25	18	1
X1216	Armor	42.0	—	—	9-15	15	1
Progeny 5330RR	Progeny	42.0	48.9	—	9-22	23	1
RC 5007S	Croplan Genetics	41.6	43.3	38.2	9-20	22	1
DG 5555RR	Delta Grow	41.5	45.4	46.9	9-29	22	1
95Y30	Pioneer	41.4	49.5	49.2	9-20	18	1
Progeny 5655RY	Progeny	40.9	—	—	9-20	20	1
AG5232	Asgrow	40.6	—	—	9-12	17	1
AGS 554RR	AGS	40.5	48.6	46.9	9-29	16	1
DG5160RR/STS	Delta Grow	40.4	—	—	9-22	28	1
51X31	Morsoy Xtra	40.2	—	—	9-11	18	1
DG 5656RR2	Delta Grow	40.0	—	—	9-22	17	1
55R21 TM	REV ™	40.0	42.0	—	10-1	21	1
X1215	Armor	39.7	—	—	9-29	26	1
HBK R5525	Hornbeck	39.5	42.0	41.6	9-26	17	1
56R21 TM	REV ™	39.5	45.8	—	9-20	17	1
DK 5363	Delta King	38.9	47.0	40.1	9-30	26	1
53X51	Morsoy Xtra	38.8	—	—	9-25	20	1
AGS 568RR	AGS	38.6	43.2	42.6	9-27	15	1
Progeny 5111RY	Progeny	38.3	—	—	9-12	17	1
DG 5280RR	Delta Grow	38.2	40.1	39.1	9-25	17	1
HBK R5226	Hornbeck	37.9	41.9	41.2	9-25	17	1
Progeny 5610RY (E)	Progeny	37.8	47.6	—	9-20	18	1
32RY55	Dyna-Gro	37.5	—	—	9-22	18	1
94Y40	Pioneer	37.1	—	—	9-24	20	1
X1213	Armor	37.0	—	—	9-17	20	1
DG5300RR/STS	Delta Grow	37.0	42.7	41.3	9-23	16	1
54X41	Morsoy Xtra	36.7	—	—	9-22	17	1
X1218	Armor	36.7	—	—	9-22	16	1
557.RC	Schillinger	36.2	41.0	39.4	9-28	18	1
X1217	Armor	36.2	—	—	9-23	17	1
Progeny 5210RY (E)	Progeny	35.5	45.3	—	9-20	14	1
DG 5275RR2	Delta Grow	35.2	44.1	—	9-16	18	1
RT 5429N	MorSoy	34.6	41.9	—	9-24	18	1
R2C5360	Croplan Genetics	34.6	—	—	9-21	20	1
HBK R5529	Hornbeck	34.3	42.9	—	9-28	17	1
DG 37RY52	Dyna-Gro	32.8	45.6	—	9-17	15	1
DG 5565RR2	Delta Grow	32.6	—	—	9-23	20	1
HBK RY5421	Hornbeck	32.6	—	—	9-18	17	1
HBK RY5220	Hornbeck	31.8	44.6	—	9-13	19	1
53-R15	Armor	30.6	—	—	9-18	14	1
DG 5252RR2	Delta Grow	30.5	—	—	9-16	15	1
NK S56-G6 Brand	NK Brand	28.8	37.3	—	9-29	12	1
Mean		40.1	45.6	43.8			
LSD .1		5.6					
Error df		124					
CV		10.3					
R sq		71.8					

[1](E) = Experimental.

Table 44. Roundup Ready Maturity Group V Late Irrigated Soybeans (Steele Farms, Washington County).

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		2011	2-yr. avg.	3-yr. avg.			
		bu/A	*bu/A*	*bu/A*		*in*	
39RY57	Dyna-Gro	49.6	—	—	9-24	17	1
Progeny 5711RY	Progeny	45.2	—	—	9-24	20	1
AGS 597	AGS	43.7	50.8	51.5	9-27	19	1
Progeny 5811RY	Progeny	43.5	—	—	9-24	24	1
USG 75Z98	USG	41.9	—	—	9-25	21	1
AG5831	Asgrow	40.9	51.4	—	9-24	17	1
95Y70	Pioneer	39.7	46.1	46.5	10-2	23	1
AG5832	Asgrow	39.7	—	—	9-28	39	1
NK S57-K3 Brand	NK Brand	36.7	45.9	—	9-29	18	1
57R21 TM	REV ™	36.6	43.9	—	9-25	28	1
AGS 606RR	AGS	34.4	42.8	41.6	10-1	17	1
Mean		41.1	46.8	46.5			
LSD .1		4.5					
Error df		20					
CV		7.8					
R sq		74.4					

Location 5. MAFES Black Belt Branch, Brooksville

Location Summary

The soybean plots were planted into a stale seedbed with good moisture. All plots quickly emerged to a good stand. Hot and dry weather conditions persisted throughout most of the growing season. The plots were harvested without any problems. Some minor shattering was observed.

Soil type: . . . . . **Brooksville Silty Clay**

Soil pH: **6.1**

Soil fertility: . . . . . **P=M; K=M**

Fertilizer added: . . . . . **None**

Herbicide applications: . . . . **Preemergence — Authority MTZ @ 12 oz/A, Dual II Magnum @ 1 qt/A, Python @ 1.25 oz/A, and Roundup Powermax @ 22 oz/A on April 30**
Postemergence — Roundup Ready – Roundup Powermax @ 22 oz/A and Firstrate @ 0.3 oz/A
Postemergence — Conventional – Select @ 10 oz/A, Firstrate @ 0.6 oz/A and Prefix @ 1 pt/A

Previous crop: . . . . . **Corn**

Planting date: . . . . . **April 30**

Harvest date: . . . . . **Group IV Conventional and IV Roundup Ready on September 9; Group V Conventional and V Roundup Ready on October 7**

Rainfall Summary

	Inches
April	0.61
May	0.11
June	1.79
July	3.70
August	1.18
September	0.00
October	0.67
Total	8.06

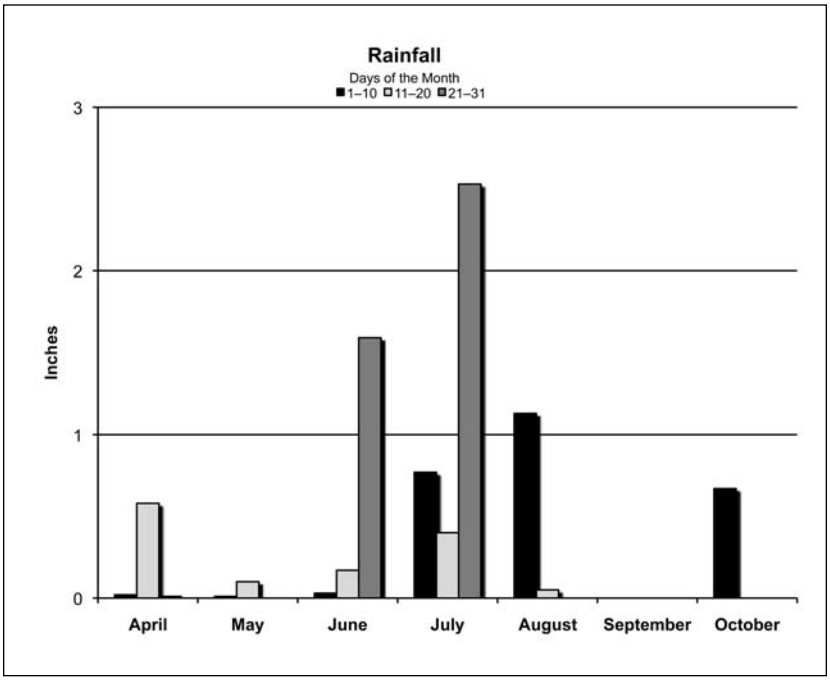

Table 45. Maturity Group IV Conventional Soybeans (Black Belt Branch Station, Brooksville).

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		2011	2-yr. avg.	3-yr. avg.			
		bu/A	*bu/A*	*bu/A*		*in*	
S08-17361	University of Missouri	54.7	—	—	9/1	25	1
LG04-1459-6	USDA-ARS	54.2	—	—	8/23	22	1
Y227-1	USDA-ARS	53.1	37.9	—	8/27	26	1
Progeny P4910	Progeny	52.7	38.1	41.9	9/2	29	1
4810LL	GoSoy	52.0	—	—	8/28	26	1
Halo 4:94	US Seeds	50.5	37.8	41.1	9/3	26	1
HBK C4926	Hornbeck	50.2	40.4	44.4	9/2	29	1
4411LL	GoSoy	49.7	—	—	8/27	28	1
Halo 4:65	US Seeds	49.6	39.8	32.4	8/24	24	1
MIAMI 949LL	Merschman	49.4	40.3	39.3	8/29	27	1
Progeny 4928LL	Progeny	49.3	33.7	—	9/4	27	1
Tampa 1245LL	Merschman	48.2	—	—	8/23	25	1
33LL49	Dyna-Gro	48.1	—	—	9/5	25	1
UA 4910	University of Arkansas	47.8	32	—	9/1	19	1
DG 4861LL	Delta Grow	47.7	40.7	—	8/24	24	1
Hanover	VA Tech	46.9	—	—	9/4	19	1
HALO 4:75	US Seeds	45.1	—	—	8/24	25	1
CB4860	Morsoy	45.0	—	—	9/2	28	1
HBK C4929	Hornbeck	44.9	36.9	44.4	9/4	24	1
Mean		49.4	37.8	40.6			
LSD .1		5.8					
Error df		36					
CV		8.5					
R sq		54.3					

Table 46. Maturity Group V Conventional Soybeans (Black Belt Branch Station, Brooksville).[1]

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		2011	2-yr. avg.	3-yr. avg.			
		bu/A	*bu/A*	*bu/A*		*in*	
Progeny 5191	Progeny	52.7	—	—	9/17	22	1
DB00-087-08(E)	USDA-ARS	51.2	—	—	9/2	18	1
Glenn	VA Tech	51.1	—	—	9/5	19	1
Progeny 5261LL	Progeny	48.8	—	—	9/10	22	1
Progeny P4910	Progeny	47.5	—	—	9/5	21	1
5111LL	GoSoy	47.1	—	—	9/11	19	1
Osage	University of Arkansas	46.7	35.6	35.8	9/7	19	1
Progeny P5770	Progeny	46.6	34.9	36.0	9/12	17	1
DB04-10836(E)	USDA-ARS	46.2	33.2	39.8	9/10	23	1
DB03-8416(E)	USDA-ARS	43.3	33.6	39.1	9/10	21	1
Progeny 5960LL (E)	Progeny	43.3	32.7	—	9/14	20	1
DB06-3442(E)	USDA-ARS	42.7	—	—	9/9	19	1
5911LL	GoSoy	42.3	—	—	9/9	21	1
34LL53	Dyna-Gro	41.9	—	—	9/6	19	1
Ozark	University of Arkansas	41.7	31.7	—	9/7	22	1
AGS 5911LL	AGS	40.9	—	—	9/11	22	1
HBK C5025	Hornbeck	40.6	29.6	36.3	9/7	22	1
Halo 5:25	US Seeds	40.4	31.9	31.1	9/8	37	1
AGS 6011LL	AGS	40.0	—	—	9/10	24	1
50LC82	Stine	39.9	—	—	9/18	23	1
HBK C5528	Hornbeck	39.8	28.7	36.5	9/18	20	1
DB06-2257(E)	USDA-ARS	39.5	31.8	—	9/10	19	1
CB 5209	Morsoy	38.5	30.9	—	9/14	20	1
Halo 5:65	US Seeds	37.5	30.6	34.9	9/10	20	1
DG5461LL	Delta Grow	36.2	28.9	—	9/5	20	1
Progeny 5160LL (E)	Progeny	34.5	29.2	—	9/5	18	1
Progeny 5460LL (E)	Progeny	31.1	26.2	—	8/31	24	1
Mean		42.7	30.6	35.0			
LSD .1		7					
Error df		52					
CV		12					
R sq		68.3					

[1](E) = Experimental.

Table 47. Roundup Ready Maturity Group IV Early Soybeans (Black Belt Branch Station, Brooksville).

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		2011	2-yr. avg.	3-yr. avg.			
		bu/A	*bu/A*	*bu/A*		*in*	
Progeny 4510RY	Progeny	57.5	38.1	—	9/1	22	1
46X71	Morsoy Xtra	57.4	—	—	8/31	25	1
Progeny 4611RY	Progeny	56.7	—	—	8/31	25	1
46X29	Morsoy Xtra	55.7	—	—	9/2	25	1
44R22 TM	REVR	55.2	35.4	—	8/25	19	1
DG 4670RR2	Delta Grow	55.2	—	—	8/31	24	1
34RY46	Dyna-Gro	53.8	40.2	—	8/29	20	1
HBK R4527	Hornbeck	53.7	38.9	44.4	8/29	23	1
Phoenix 1245 RR2Y	Merschman	53.4	—	—	8/28	25	1
AG4632	Asgrow	53.2	—	—	8/31	24	1
HBK RY4620	Hornbeck	52.0	—	—	9/1	21	1
94Y40	Pioneer	51.7	35.2	—	8/24	20	1
457.RCP	Schillinger	51.6	37.6	41.2	8/31	32	1
31RY45	Dyna-Gro	50.8	—	—	8/30	25	1
Progeny 4211RY	Progeny	50.5	—	—	8/25	22	1
AG4531	Asgrow	50.0	37.3	—	8/29	24	1
S44-D5 Brand	NK Brand	48.8	31.1	35.9	8/27	23	1
74C69	USG	48.6	36.9	—	8/30	21	1
45R10 TM	REVR	48.3	33.3	39.6	8/27	26	1
458.RCS	Schillinger	44.9	32.4	34.4	8/29	22	1
R2C4520	Croplan Genetics	43.7	—	—	8/28	19	1
DG4460RR	Delta Grow	43.5	—	—	8/27	24	1
94Y50	Pioneer	42.9	—	—	8/24	25	1
94Y61	Pioneer	42.5	—	—	8/27	23	1
93Y92	Pioneer	38.6	26.7	—	8/24	24	1
Mean		50.3	32.1	39.1			
LSD .1		4.9					
Error df		48					
CV		7					
R sq		83.5					

Table 48. Roundup Ready Maturity Group IV Late Soybeans (Black Belt Branch Station, Brooksville).[1]

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		2011	2-yr. avg.	3-yr. avg.			
		bu/A	*bu/A*	*bu/A*		*in*	
Progeny 4906RR	Progeny	64.4	42.4	47.9	9/1	27	1
Progeny 4710RY (E)	Progeny	60.9	39.3	—	9/1	26	1
USG 74A79	USG	60.2	—	—	9/1	25	1
Progeny 4908RR (E)	Progeny	60.2	41	50.3	9/1	22	1
R2T4799S	Croplan Genetics	56.4	—	—	8/30	23	1
94Y80	Pioneer	56.3	42.7	44.9	8/25	24	1
AG4730	Asgrow	56.2	43.1	—	8/27	24	1
DKR 4744s	Delta King	55.6	39.4	—	8/26	20	1
74H81	USG	55.5	—	—	8/26	23	1
Progeny 4807RR	Progeny	54.8	33.5	33.7	8/29	22	1
X1211	Armor	54.6	—	—	9/3	21	1
DG4975RR	Delta Grow	54.0	47.2	43.8	8/30	26	1
NK S47-R3 Brand	NK Brand	53.6	38.1	—	8/28	26	1
HBK RY4721	Hornbeck	53.4	—	—	8/25	27	1
DG 4970RR	Delta Grow	53.4	37.4	36.9	9/1	29	1
HBK R4924	Hornbeck	53.2	39.4	42.2	9/1	29	1
48R10 TM	REV ™	53.1	36.4	35.4	8/29	21	1
S08-14087RR	Univ. of Missouri	53.1	—	—	8/28	27	1
49X10	Morsoy Xtra	52.8	—	—	9/2	20	1
Progeny 4911RY	Progeny	52.8	—	—	9/3	36	1
AG 4932	Asgrow	52.7	—	—	8/30	29	1
48X00	Morsoy Xtra	52.5	—	—	8/31	20	1
48R33 TM	REV ™	52.5	—	—	8/25	30	1
49R11 TM	REV ™	52.5	33.6	36.8	8/25	25	1
S49-H7 Brand	NK Brand	52.3	42	35.8	8/31	29	1
RTS 4824	Morsoy	52.3	40.8	—	8/30	22	1

[1](E) = Experimental.

Table 48 (cont.). Roundup Ready Maturity Group IV Late Soybeans (Black Belt Branch Station, Brooksville).[1]

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		2011	2-yr. avg.	3-yr. avg.			
		bu/A	*bu/A*	*bu/A*		*in*	
HBK R4729	Hornbeck	52.3	—	—	8/28	23	1
AG 4832	Asgrow	51.5	—	—	8/27	27	1
46R73 TM	REV ™	51.5	—	—	8/25	24	1
Progeny 4811RY	Progeny	51.2	—	—	8/28	27	1
RC 4877	Croplan Genetics	51.2	35.4	34	8/28	24	1
495.RC	Schillinger	50.9	38.5	36.8	9/2	29	1
USG 7495nRS	USG	50.6	—	—	9/2	26	1
Progeny 4750 RR	Progeny	50.3	39	—	8/30	27	1
47R22 TM	REV ™	50.1	32.5	—	8/29	26	1
HBK R4830	Hornbeck	49.9	—	—	8/30	25	1
47X31	Morsoy Xtra	49.7	—	—	8/24	27	1
478.RCS	Schillinger	49.7	32.7	31.4	9/2	25	1
94Y90	Pioneer	49.7	42.5	37	8/25	27	1
RC 4757S	Croplan Genetics	49.6	38.8	36	8/28	21	1
HBK R4829	Hornbeck	49.5	40.4	—	8/28	24	1
48R22 TM	REV ™	49.4	35.5	—	8/25	17	1
MorSoy RT4707	MorSoy	49.3	29.9	28	8/29	28	1
49R43 TM	REV ™	49.3	—	—	8/26	23	1
X1209	Armor	49.0	—	—	8/26	28	1
49R22 TM	REV ™	48.8	39.8	—	8/26	23	1
AG4732	Asgrow	48.7	—	—	8/27	27	1
47R53 TM	REV ™	48.4	—	—	8/27	21	1
X1210	Armor	47.8	—	—	8/26	27	1
94Y70	Pioneer	47.7	36.5	35.5	8/26	27	1
DG 4470RR/STS	Delta Grow	47.6	—	—	8/25	23	1
X1208	Armor	47.2	—	—	8/25	33	1
48RC32	Stine	47.1	—	—	8/29	27	1
USG 74F96	USG	47.0	—	—	9/6	24	1
DG 33G48	Dyna-Gro	47.0	33.5	—	8/27	26	1
4990.RC	Schillinger	46.5	38.3	35.6	9/3	21	1
33RY47	Dyna-Gro	45.7	—	—	8/25	27	1
DG 4875RR2	Delta Grow	45.7	—	—	8/28	30	1
DG 4880RR	Delta Grow	45.1	37.4	—	8/28	25	1
Mean		51.6	38.2	37.9			
LSD .1		6					
Error df		116					
CV		8.6					
R sq		60.5					
R sq		68.3					

[1](E) = Experimental.

Table 49. Roundup Ready Maturity Group V Early Soybeans (Black Belt Branch Station, Brooksville).[1]

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		2011	2-yr. avg.	3-yr. avg.			
		bu/A	*bu/A*	*bu/A*		*in*	
AG5632	Asgrow	51.2	—	—	9/7	20	1
Progeny 5610RY (E)	Progeny	50.6	40.3	—	9/9	27	1
HBK RY5221	Hornbeck	50.3	—	—	8/28	22	1
DG 5110RR2	Delta Grow	50.2	—	—	9/2	30	1
Progeny 5111RY	Progeny	48.0	—	—	9/1	27	1
51X31	Morsoy Xtra	47.0	—	—	9/4	23	1
Everest 1251 RR2Y	Merschman	46.7	—	—	9/1	22	1
HBK RY5121	Hornbeck	46.6	—	—	9/6	20	1
AG5232	Asgrow	46.2	—	—	9/6	22	1
54X41	Morsoy Xtra	45.2	—	—	9/10	20	1
DG 5565RR2	Delta Grow	44.8	—	—	9/9	17	1
56R63TM	REV R	44.7	—	—	9/9	25	1
HBK RY5521	Hornbeck	44.7	—	—	9/8	20	1
51R53TM	REV R	44.3	—	—	9/9	24	1
Progeny 5330RR	Progeny	44.3	36.4	—	9/11	21	1

[1](E) = Experimental.

Table 49 (cont.). Roundup Ready Maturity Group V Early Soybeans (Black Belt Branch Station, Brooksville).[1]

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		2011	2-yr. avg.	3-yr. avg.			
		bu/A	*bu/A*	*bu/A*		*in*	
R2C5360	Croplan Genetics	43.9	—	—	9/10	23	1
HBK RY5421	Hornbeck	43.8	—	—	9/3	17	1
DG 37RY52	Dyna-Gro	43.6	32.0	—	9/8	23	1
DG 5275RR2	Delta Grow	43.5	32.2	—	9/7	20	1
X1213	Armor	43.3	—	—	9/8	20	1
53-R15	Armor	43.3	—	—	9/10	21	1
Progeny 5210RY (E)	Progeny	43.2	35.5	—	9/8	24	1
56R21 TM	REV ™	43.0	35.9	—	9/9	19	1
HBK RY5220	Hornbeck	42.6	30.7	—	9/7	27	1
Progeny 5655RY	Progeny	42.3	—	—	9/9	31	1
X1216	Armor	41.8	—	—	9/7	17	1
DG 35P53	Dyna-Gro	41.4	32.5	—	9/10	22	1
DG 5252RR2	Delta Grow	41.3	—	—	9/8	19	1
AG5332	Asgrow	41.2	—	—	9/1	26	1
X1217	Armor	41.0	—	—	9/9	20	1
DG 5656RR2	Delta Grow	40.8	—	—	9/10	22	1
5220.RC	Schillinger	40.8	—	—	9/7	23	1
S54-V4 Brand	NK Brand	40.5	—	—	9/12	17	1
DG 35F55	Dyna-Gro	40.3	32.1	38.0	9/11	23	1
DG 5280RR	Delta Grow	40.0	26.7	27.1	9/15	21	1
55R21 TM	REV ™	40.0	32.0	—	9/14	18	1
95Y40	Pioneer	39.9	—	—	9/5	20	1
AGS 554RR	AGS	39.9	27.4	33.2	9/18	22	1
DK 5363	Delta King	39.8	30.2	33.9	9/16	22	1
AG5532	Asgrow	39.4	—	—	9/5	23	1
X1218	Armor	39.0	—	—	9/10	22	1
X1215	Armor	38.2	—	—	9/10	19	1
Progeny 5622RR	Progeny	38.2	30.0	32.7	9/13	20	1
DG 5555RR	Delta Grow	38.0	32.8	38.5	9/11	21	1
RT 5429N	MorSoy	38.0	30.9	—	9/18	23	1
32RY55	Dyna-Gro	37.8	—	—	9/9	24	1
MorSoy RT5168N (E)	MorSoy	37.7	27.8	28.8	9/4	28	1
HBK R5525	Hornbeck	37.7	27.9	29.3	9/17	21	1
95Y30	Pioneer	37.3	28.6	31.2	9/5	28	1
DG5160RR/STS	Delta Grow	36.8	—	—	9/2	22	1
53X51	Morsoy Xtra	36.4	—	—	9/11	18	1
Progeny 5650RR	Progeny	36.3	29.3	35.2	9/18	24	1
USG 75Z38	USG	36.3	—	—	9/15	21	1
Progeny 5321RY	Progeny	36.1	—	—	9/9	37	1
HBK R5226	Hornbeck	35.9	27.1	33.4	9/18	22	1
DG 5545RR	Delta Grow	35.7	—	—	9/18	22	1
NK S56-G6 Brand	NK Brand	35.3	26.8	—	9/21	17	1
RC 5007S	Croplan Genetics	35.1	27.5	28.7	9/8	22	1
HBK R5529	Hornbeck	34.1	25.7	—	9/11	22	1
557.RC	Schillinger	33.9	24.0	25.0	9/10	21	1
DG5300RR/STS	Delta Grow	33.1	25.4	26.2	9/5	23	1
AGS 568RR	AGS	32.3	28.9	31.9	9/22	19	1
95Y01	Pioneer	31.3	25.1	—	9/2	21	1
Mean		40.8	30.1	31.5			
LSD .1		6					
Error df		124					
CV		10.8					
R sq		63.9					

[1](E) = Experimental.

Table 50. Roundup Ready Maturity Group V Late Soybeans (Black Belt Branch Station, Brooksville).

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		2011	2-yr. avg.	3-yr. avg.			
		bu/A	*bu/A*	*bu/A*		*in*	
Progeny 5711RY	Progeny	45.8	—	—	9/9	24	1
39RY57	Dyna-Gro	44.7	—	—	9/8	24	1
Progeny 5811RY	Progeny	42.5	—	—	9/10	16	1
AG5831	Asgrow	40.4	30.6	—	9/9	16	1
57R21 TM	REV ™	40.0	31.1	—	9/10	20	1
95Y70	Pioneer	39.2	32.3	41.3	9/23	26	1
AGS 606RR	AGS	37.6	28.9	34.2	9/24	21	1
AGS 597	AGS	37.1	35.0	36.8	9/12	19	1
USG 75Z98	USG	36.4	—	—	9/7	19	1
NK S57-K3 Brand	NK Brand	33.8	27.4	—	9/23	24	1
AG5832	Asgrow	33.0	—	—	9/12	34	1
Mean		39.1	30.9	37.4			
LSD .1		5.6					
Error df		20					
CV		10.1					
R sq		65.7					

Location 6. Morton Farms, Falkner

Location Summary

The soybean plots were planted into a stale seedbed with adequate soil moisture. All plots quickly emerged to a suitable stand. The growing season was hot and dry, but rains at opportune times allowed for good yields. Favorable weather allowed for a timely harvest.

Soil type: . . . . . **Falaya Sandy Loam**

Soil pH: **6.7**

Soil fertility: . . . . . **P=H; K=H**

Fertilizer added: . . . . . **0-46-0 @ 100 lb/A and 0-0-60 @ 150 lb/A**

Herbicide applications: . . . . **Burndown — Gramoxone @ 1 qt/A and Sencer @ 5 oz/A**
Preemergence — Authority MTZ @ 10 oz/A, Dual II Magnum@ 2.4 oz/A, Python @ 1.25 oz/A and Roundup Powermax @ 22 oz/A on May 6
Postemergence — Roundup Ready – Roundup Powermax @ 22 oz/A and Firstrate @ 0.3 oz/A
Postemergence — Conventional – Select @ 10 oz/A, Firstrate @ 0.6 oz/A, and Prefix @ 1 pt/A on June 2
Postemergence — Roundup Ready – Roundup Powermax @ 22 oz/A, and Classic @ 0.5 oz/A
Postemergence — Conventional – Select @ 10 oz/A, Classic @ 0.5 oz/A, and Prefix @ 2 pt/A

Planting date: . . . . . **May 6**

Harvest date: . . . . . **Group IV Conventional and Roundup Ready on September 27; Group V Conventional and V Roundup Ready on October 5**

Rainfall Summary

	Inches
May	2.85
June	4.54
July	1.67
August	1.30
September	4.96
October	0.00
Total	15.32

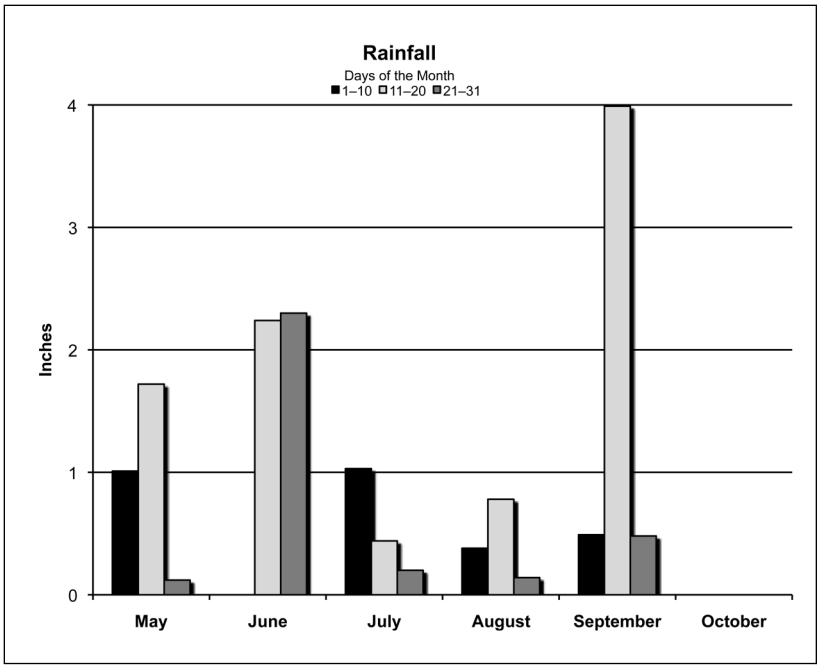

Table 51. Maturity Group IV Conventional Soybeans (Morton Farms, Falkner).

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		2011	2-yr. avg.	3-yr. avg.			
		bu/A	*bu/A*	*bu/A*		*in*	
4411LL	GoSoy	68.2	—	—	9-15	37	2
Tampa 1245LL	Merschman	67.2	—	—	9-12	40	2
Halo 4:65	US Seeds	65.8	58.1	69.8	9-15	38	1
CB4860	Morsoy	62.9	—	—	9-15	45	3
Progeny P4910	Progeny	62.7	70.1	66.8	9-15	55	4
4810LL	GoSoy	62.6	—	—	9-15	38	1
MIAMI 949LL	Merschman	62.4	68.9	69.0	9-12	47	3
DG 4861LL	Delta Grow	62.0	63.4	—	9-12	47	1
Halo 4:94	US Seeds	61.9	60.6	70.1	9-15	46	1
33LL49	Dyna-Gro	58.1	—	—	9-12	38	1
S08-17361	University of Missouri	57.9	—	—	9-15	36	1
UA 4910	University of Arkansas	57.6	63.8	—	9-15	34	1
Hanover	VA Tech	56.4	—	—	9-15	31	2
Progeny 4928LL	Progeny	55.7	71.8	—	9-12	42	2
HBK C4926	Hornbeck	55.5	65.5	68.3	9-15	43	3
HBK C4929	Hornbeck	55.2	67.4	68.4	9-12	42	1
LG04-1459-6	USDA-ARS	54.8	—	—	9-15	30	4
Y227-1	USDA-ARS	53.0	63.1	—	9-12	33	1
HALO 4:75	US Seeds	49.0	—	—	9-15	43	1
Mean		59.4	65.3	68.7			
LSD .1		4.7					
Error df		36					
CV		9.7					
R sq		56.5					

Table 52. Maturity Group V Conventional Soybeans (Morton Farms, Falkner).[1]

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		2011	2-yr. avg.	3-yr. avg.			
		bu/A	*bu/A*	*bu/A*		*in*	
Progeny 5191	Progeny	71.9	—	—	9-22	34	1
Progeny P5770	Progeny	68.8	74.2	74.1	9-22	33	2
Progeny P4910	Progeny	67.9	—	—	9-22	51	3
Glenn	VA Tech	66.1	—	—	9-15	27	3
50LC82	Stine	63.7	—	—	9-22	53	1
AGS 6011LL	AGS	63.4	—	—	9-22	29	1
DB06-3442(E)	USDA-ARS	63.0	—	—	9-15	32	2
DG5461LL	Delta Grow	61.7	63.2	—	9-15	40	1
Progeny 5261LL	Progeny	61.7	—	—	9-22	30	1
CB 5209	Morsoy	61.7	68.8	—	9-22	27	1
Halo 5:25	US Seeds	61.5	65.7	73.6	9-15	28	1
Osage	University of Arkansas	61.5	69.3	72.3	9-22	23	1
DB04-10836(E)	USDA-ARS	61.0	68.4	77.2	9-28	29	1
Ozark	University of Arkansas	60.4	69.4	—	9-22	27	1
Progeny 5460LL (E)	Progeny	60.3	66.2	—	9-15	45	1
HBK C5528	Hornbeck	60.2	70.8	73.3	9-28	37	2
DB06-2257(E)	USDA-ARS	58.7	65.3	—	9-28	26	1
DB03-8416(E)	USDA-ARS	57.8	61.1	70.6	9-22	35	1
5111LL	GoSoy	56.6	—	—	9-22	25	1
34LL53	Dyna-Gro	56.5	—	—	9-15	25	1
Progeny 5960LL (E)	Progeny	56.2	59.3	—	9-22	30	1
HBK C5025	Hornbeck	54.2	63.7	72.2	9-22	40	1
DB00-087-08(E)	USDA-ARS	53.9	—	—	9-22	31	4
5911LL	GoSoy	53.4	—	—	9-22	33	1
Progeny 5160LL (E)	Progeny	53.0	60.6	—	9-22	25	1
AGS 5911LL	AGS	50.5	—	—	9-22	29	1
Halo 5:65	US Seeds	47.7	59.3	67.8	9-22	28	1
MEAN		59.8	65.5	72.2			
LSD .1		6.4					
Error df		52					
CV		7.9					
R sq		72.1					

[1](E) = Experimental.

Table 53. Roundup Ready Maturity Group IV Early Soybeans (Morton Farms, Falkner).

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		2011	2-yr. avg.	3-yr. avg.			
		bu/A	*bu/A*	*bu/A*		*in*	
AG4632	Asgrow	80.2	—	—	9-15	34	1
Phoenix 1245 RR2Y	Merschman	71.3	—	—	9-12	31	1
Progeny 4211RY	Progeny	69.7	—	—	9-10	33	1
AG4531	Asgrow	69.1	66.9	—	9-15	32	1
94Y50	Pioneer	66.8	—	—	9-12	34	1
94Y40	Pioneer	66.0	71.7	—	9-12	26	1
46X71	Morsoy Xtra	65.8	—	—	9-12	36	1
Progeny 4510RY	Progeny	64.7	66.9	—	9-10	34	1
458.RCS	Schillinger	64.4	69.2	70.5	9-10	34	1
457.RCP	Schillinger	64.3	65.3	64.9	9-12	39	1
31RY45	Dyna-Gro	64.0	—	—	9-12	33	1
R2C4520	Croplan Genetics	63.8	—	—	9-10	35	1
DG 4670RR2	Delta Grow	63.0	—	—	9-12	32	1
HBK RY4620	Hornbeck	62.4	—	—	9-12	33	2
44R22 TM	REVR	62.0	66.4	—	9-10	29	1
DG4460RR	Delta Grow	62.0	—	—	9-12	35	1
93Y92	Pioneer	61.3	66.1	—	9-10	22	1
34RY46	Dyna-Gro	60.3	66.6	—	9-12	35	1
S44-D5 Brand	NK Brand	59.6	63.3	68.9	9-12	26	1
45R10 TM	REVR	59.4	64.0	63.9	9-10	38	1
HBK R4527	Hornbeck	58.2	61.2	62.5	9-15	42	2
Progeny 4611RY	Progeny	57.6	—	—	9-10	33	1
46X29	Morsoy Xtra	57.5	—	—	9-15	30	1
94Y61	Pioneer	53.8	—	—	9-12	29	1
74C69	USG	53.6	59.2	—	9-12	38	1
Mean		63.2	65.6	66.1			
LSD .1		10.7					
Error df		48					
CV		12.3					
R sq		55.9					

Table 54. Roundup Ready Maturity Group IV Late Soybeans (Morton Farms, Falkner).[1]

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		2011	2-yr. avg.	3-yr. avg.			
		bu/A	*bu/A*	*bu/A*		*in*	
47R53 TM	REV ™	68.6	—	—	9-12	38	3
X1211	Armor	67.8	—	—	9-15	32	1
48R33 TM	REV ™	67.7	—	—	9-12	38	1
94Y90	Pioneer	67.5	67.3	77.0	9-15	38	2
74H81	USG	67.2	—	—	9-12	33	2
AG 4932	Asgrow	65.9	—	—	9-15	35	1
Progeny 4710RY (E)	Progeny	65.7	59.1	—	9-12	38	1
X1208	Armor	65.6	—	—	9-12	40	2
Progeny 4908RR (E)	Progeny	64.9	64.2	75.8	9-15	44	3
HBK RY4721	Hornbeck	64.7	—	—	9-15	41	1
USG 74F96	USG	64.5	—	—	9-20	41	1
49X10	Morsoy Xtra	64.5	—	—	9-15	35	1
DG 4470RR/STS	Delta Grow	64.5	—	—	9-12	39	1
RC 4757S	Croplan Genetics	63.8	68.0	74.2	9-12	30	1
R2T4799S	Croplan Genetics	63.7	—	—	9-12	37	1
Progeny 4906RR	Progeny	63.4	62.2	73.7	9-15	46	2
DG 4880RR	Delta Grow	63.3	64.4	—	9-15	34	1
94Y70	Pioneer	63.3	71.3	73.5	9/12	35	1
USG 74A79	USG	63.1	—	—	9-12	38	3
48RC32	Stine	63.1	—	—	9-15	39	1
NK S47-R3 Brand	NK Brand	63.1	60.3	—	9-15	41	2
AG4732	Asgrow	62.8	—	—	9-12	45	1
X1209	Armor	62.1	—	—	9-12	39	1
46R73 TM	REV ™	62.0	—	—	9-12	36	1
94Y80	Pioneer	61.8	64.5	73.0	9-15	38	2
48R10 TM	REV ™	61.5	65.2	68.5	9-12	38	2

[1](E) = Experimental

Table 54 (cont.). Roundup Ready Maturity Group IV Late Soybeans (Morton Farms, Falkner).[1]

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		2011	2-yr. avg.	3-yr. avg.			
		bu/A	*bu/A*	*bu/A*		*in*	
4990.RC	Schillinger	61.4	64.3	73.1	9-20	38	2
49R11 TM	REV ™	61.2	63.1	64.1	9-12	31	1
DG 4970RR	Delta Grow	60.7	66.5	72.2	9-15	37	1
47X31	Morsoy Xtra	60.6	—	—	9-12	43	1
DG 33G48	Dyna-Gro	60.6	66.5	—	9-15	36	2
48X00	Morsoy Xtra	60.5	—	—	9-12	35	1
33RY47	Dyna-Gro	60.4	—	—	9-12	42	1
49R43 TM	REV ™	60.3	—	—	9-15	34	2
Progeny 4750 RR	Progeny	60.3	64.4	—	9-15	34	2
S49-H7 Brand	NK Brand	60.2	63.7	70.8	9-15	37	1
HBK R4924	Hornbeck	60.0	62.5	71.0	9-20	39	2
RC 4877	Croplan Genetics	59.9	63.8	69.7	9-12	41	1
DKR 4744s	Delta King	59.8	56.8	—	9-12	36	1
Progeny 4811RY	Progeny	59.1	—	—	9-12	41	2
49R22 TM	REV ™	58.6	64.0	—	9-12	36	1
X1210	Armor	58.5	—	—	9-15	25	2
USG 7495nRS	USG	57.5	—	—	9-12	41	1
S08-14087RR	Univ. of Missouri	57.4	—	—	9-15	40	1
AG4730	Asgrow	57.1	63.4	—	9-10	33	1
478.RCS	Schillinger	56.8	67.1	72.7	9-15	35	2
AG 4832	Asgrow	56.8	—	—	9-12	41	1
HBK R4829	Hornbeck	56.5	64.4	—	9-15	35	1
495.RC	Schillinger	56.3	61.7	70.4	9-15	42	3
Progeny 4807RR	Progeny	56.0	62.6	68.1	9-15	37	2
DG 4875RR2	Delta Grow	55.0	—	—	9-15	41	1
48R22 TM	REV ™	54.9	65.0	—	9-12	33	2
MorSoy RT4707	MorSoy	54.9	62.5	64.2	9-15	32	1
DG4975RR	Delta Grow	54.8	63.0	66.6	9-12	38	1
RTS 4824	Morsoy	54.6	66.8	—	9-10	31	1
HBK R4830	Hornbeck	53.3	—	—	9-15	41	1
Progeny 4911RY	Progeny	52.2	—	—	9-15	49	1
47R22 TM	REV ™	51.6	62.5	—	9-12	40	3
HBK R4729	Hornbeck	50.5	—	—	9-15	27	1
MEAN		60.5	64.0	71.0			
LSD .1		8.2					
Error df		116					
CV		10					
R sq		45.3					

[1](E) = Experimental.

Table 55. Roundup Ready Maturity Group V Early Soybeans (Morton Farms, Falkner).[1]

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		2011	2-yr. avg.	3-yr. avg.			
		bu/A	*bu/A*	*bu/A*		*in*	
HBK RY5121	Hornbeck	63.9	—	—	9-20	31	1
HBK RY5421	Hornbeck	62.7	—	—	9-22	32	1
S54-V4 Brand	NK Brand	61.7	—	—	9-22	30	1
X1213	Armor	61.2	—	—	9-20	24	1
X1216	Armor	61.2	—	—	9-20	33	1
DG5160RR/STS	Delta Grow	61.2	—	—	9-22	43	1
51R53TM	REV R	61.1	—	—	9-20	26	1
DG 35F55	Dyna-Gro	61.0	68.4	73.7	9-22	40	1
54X41	Morsoy Xtra	60.8	—	—	9-20	27	1
DG 5275RR2	Delta Grow	60.7	66.5	—	9-22	28	1
95Y01	Pioneer	60.6	65.9	—	9-22	34	1
Everest 1251 RR2Y	Merschman	60.2	—	—	9-20	28	1
X1215	Armor	59.7	—	—	9-22	27	1
AGS 568RR	AGS	59.6	67.7	70.1	9-24	34	1
DG 5555RR	Delta Grow	59.5	64.8	70.8	9-22	36	1
Progeny 5650RR	Progeny	59.4	66.7	68.3	9-29	41	1

[1](E) = Experimental.

Table 55 (cont.). Roundup Ready Maturity Group V Early Soybeans (Morton Farms, Falkner).[1]

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		2011	2-yr. avg.	3-yr. avg.			
		bu/A	*bu/A*	*bu/A*		*in*	
56R21 TM	REV ™	59.4	63.7	—	9-22	28	1
DG 5565RR2	Delta Grow	59.3	—	—	9-20	32	1
AG5332	Asgrow	59.1	—	—	9-22	34	2
32RY55	Dyna-Gro	59.0	—	—	9-20	32	1
Progeny 5622RR	Progeny	59.0	65.6	71.6	9-22	30	1
56R63TM	REV R	58.7	—	—	9-20	32	1
USG 75Z38	USG	58.7	—	—	9-22	28	1
5220.RC	Schillinger	58.3	—	—	9-24	36	1
MorSoy RT5168N (E)	MorSoy	58.2	58.6	65.0	9-22	41	1
DG 5545RR	Delta Grow	58.2	—	—	9-26	28	1
RT 5429N	MorSoy	58.1	66.8	—	9-22	30	1
95Y40	Pioneer	57.4	—	—	9-22	24	1
DK 5363	Delta King	57.1	65.1	66.5	9-22	32	1
Progeny 5330RR	Progeny	56.9	61.7	—	9-20	32	1
HBK R5529	Hornbeck	56.9	63.7	—	9-22	25	1
X1217	Armor	56.8	—	—	9-20	30	1
557.RC	Schillinger	56.8	63.8	73.8	9-22	24	1
X1218	Armor	56.7	—	—	9-20	25	1
Progeny 5111RY	Progeny	56.6	—	—	9-20	30	1
Progeny 5610RY (E)	Progeny	56.1	67.1	—	9-22	31	1
AG5232	Asgrow	55.8	—	—	9-20	29	1
HBK RY5521	Hornbeck	55.8	—	—	9-22	32	1
AGS 554RR	AGS	55.7	63.4	68.9	9-24	25	1
RC 5007S	Croplan Genetics	55.6	62.1	71.7	9-22	26	1
HBK RY5220	Hornbeck	55.6	64.9	—	9-20	30	1
HBK R5525	Hornbeck	55.5	65.1	67.4	9-22	25	1
NK S56-G6 Brand	NK Brand	55.5	62.3	—	9-26	27	1
DG 5656RR2	Delta Grow	55.4	—	—	9-20	28	1
DG 5280RR	Delta Grow	55.4	61.2	64.7	9-26	23	1
51X31	Morsoy Xtra	55.3	—	—	9-20	27	1
53X51	Morsoy Xtra	55.0	—	—	9-22	37	1
DG 35P53	Dyna-Gro	54.9	63.6	—	9-22	29	1
95Y30	Pioneer	54.7	61.2	59.8	9-20	27	1
AG5632	Asgrow	54.6	—	—	9-20	37	1
DG 5252RR2	Delta Grow	54.5	—	—	9-22	33	1
HBK R5226	Hornbeck	54.1	57.5	65.7	9-22	29	1
HBK RY5221	Hornbeck	53.9	—	—	9-20	41	2
DG 5110RR2	Delta Grow	53.9	—	—	9-22	46	1
DG5300RR/STS	Delta Grow	53.6	57.4	68.0	9-22	25	1
53-R15	Armor	53.5	—	—	9-20	28	1
Progeny 5655RY	Progeny	53.2	—	—	9-20	34	1
Progeny 5210RY (E)	Progeny	53.2	59.7	—	9-20	30	1
DG 37RY52	Dyna-Gro	52.7	59.9	—	9-20	30	1
AG5532	Asgrow	51.7	—	—	9-22	25	1
Progeny 5321RY	Progeny	49.8	—	—	9-20	56	2
R2C5360	Croplan Genetics	47.0	—	—	9-20	24	1
55R21 TM	REV ™	39.2	58.7	—	9-20	34	1
Mean		56.8	63.3	68.4			
LSD .1		6					
Error df		124					
CV		7.84					
R sq		59.2					

[1](E) = Experimental.

Table 56. Roundup Ready Maturity Group V Late Soybeans (Morton Farms, Falkner).

Variety	Brand	Yield			Maturity date	Plant height	Lodging score
		2011	2-yr. avg.	3-yr. avg.			
		bu/A	*bu/A*	*bu/A*		*in*	
39RY57	Dyna-Gro	63.9	—	—	9-22	32	1
NK S57-K3 Brand	NK Brand	61.2	68.8	—	9-25	25	1
Progeny 5711RY	Progeny	60.2	—	—	9-25	32	1
AGS 597	AGS	57.2	59.2	63.0	9-29	30	1
USG 75Z98	USG	55.9	—	—	9-22	27	1
95Y70	Pioneer	55.7	57.2	61.6	9-29	39	1
AG5832	Asgrow	53.8	—	—	9-25	53	1
57R21 TM	REV ™	53.4	62.8	—	9-22	35	1
Progeny 5811RY	Progeny	53.2	—	—	9-22	31	1
AG5831	Asgrow	51.3	60.4	—	9-22	24	1
AGS 606RR	AGS	48.6	59.7	66.2	9-29	28	1
Mean		55.9	61.4	63.6			
LSD .1		5.1					
Error df		20					
CV		6.5					
R sq		71.2					

Location 7. Brown Loam Branch, Raymond

Location Summary

The soybean plots were planted into a well-prepared seedbed with good soil moisture. All plots quickly emerged to an excellent stand. Hot temperatures and extremely dry conditions were observed throughout the growing season, reducing the crops yield potential. All plots were harvested in a timely manner.

Soil type: . . . . . **Loring Silt Loam**

Soil pH: **6.1**

Soil fertility: . . . . . **P=M; K=L**

Fertilizer added: . . . . . **None**

Herbicide applications: . . . . **Preemergence — Authority MTZ @ 10 oz/A, Dual II Magnum@ 24 oz/A, and Roundup Powermax @ 22 oz/A on April 25**
Postemergence — Roundup Powermax @ 22 oz/A and Firstrate @ 0.3 oz/A on June 3
Postemergence — Roundup Powermax @ 22 oz/A and Classic @ 0.5 oz/A on June 15

Previous crop: . . . . . **Soybeans**

Planting date: . . . . . **April 25**

Harvest date: . . . . . **Group IV Early and Late Roundup Ready on September 12; Group V Early and Late Roundup Ready on September 22**

Rainfall Summary

	Inches
April	3.86
May	1.02
June	2.17
July	5.68
August	1.81
September	8.07
Total	22.61

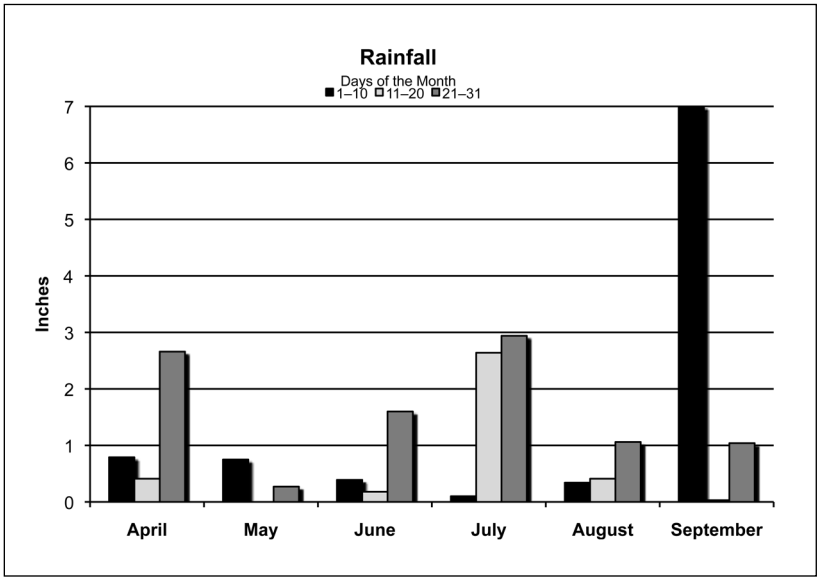

Table 57. Roundup Ready Maturity Group IV Early Soybeans (Brown Loam Branch, Raymond).

Variety	Brand	Yield[1]			Maturity date	Plant height	Lodging score
		2011	2-yr. avg.	3-yr. avg.			
		bu/A	*bu/A*	*bu/A*		*in*	
AG4632	Asgrow	42.8	—	—	8-29	22	1
94Y50	Pioneer	42.0	—	—	8-29	22	1
HBK R4527	Hornbeck	33.7	44.8	—	8-29	23	1
Progeny 4510RY	Progeny	33.6	51.9	—	9-6	19	1
Phoenix 1245 RR2Y	Merschman	33.3	—	—	8-29	21	1
AG4531	Asgrow	32.6	49.4	—	8-29	20	1
44R22 TM	REVR	32.0	48.7	—	8-29	23	1
46X29	Morsoy Xtra	31.6	—	—	9-6	21	1
45R10 TM	REVR	30.6	42.3	—	8-29	27	1
S44-D5 Brand	NK Brand	30.3	46.0	—	8-29	22	1
R2C4520	Croplan Genetics	30.0	—	—	8-29	20	1
Progeny 4611RY	Progeny	29.5	—	—	8-29	22	1
31RY45	Dyna-Gro	29.3	—	—	8-29	23	1
74C69	USG	28.8	41.0	—	8-29	21	1
DG 4670RR2	Delta Grow	27.9	—	—	8-29	21	1
457.RCP	Schillinger	27.3	43.1	—	9-6	19	1
46X71	Morsoy Xtra	27.1	—	—	8-29	23	1
HBK RY4620	Hornbeck	26.5	—	—	9-6	18	1
34RY46	Dyna-Gro	26.5	48.6	—	8-29	23	1
94Y40	Pioneer	25.2	48.1	—	8-29	19	1
94Y61	Pioneer	24.7	—	—	8-29	19	1
458.RCS	Schillinger	24.2	47.6	—	8-29	21	1
DG4460RR	Delta Grow	19.7	—	—	8-29	20	1
Progeny 4211RY	Progeny	18.8	—	—	9-6	20	1
93Y92	Pioneer	16.9	38.3	—	8-26	19	1
Mean		29	45.8				
LSD .1		7.8					
Error df		48					
CV		19.1					
R sq		66.4					

[1]No 3-year yields.

Table 58. Roundup Ready Maturity Group IV Late Soybeans (Brown Loam Branch, Raymond).[1]

Variety	Brand	Yield[2]			Maturity date	Plant height	Lodging score
		2011	2-yr. avg.	3-yr. avg.			
		bu/A	*bu/A*	*bu/A*		*in*	
4990.RC	Schillinger	48.5	51.8	—	9-6	22	1
94Y80	Pioneer	48.1	50.8	—	8-29	24	1
USG 7495nRS	USG	46.6	—	—	9-6	25	1
USG 74F96	USG	46.0	—	—	9-6	23	1
48R33 TM	REV ™	45.6	—	—	9-6	25	1
USG 74A79	USG	44.9	—	—	9-6	23	1
DKR 4744s	Delta King	44.3	55.1	—	9-6	23	1
47X31	Morsoy Xtra	43.5	—	—	9-6	27	1
49R22 TM	REV ™	43.1	53.5	—	9-6	28	1
Progeny 4906RR	Progeny	42.7	53.0	—	9-6	23	1
49X10	Morsoy Xtra	42.4	—	—	9-6	25	1
49R11 TM	REV ™	42.3	53.1	—	9-6	23	1
MorSoy RT4707	MorSoy	42.2	48.1	—	9-6	26	1
HBK R4924	Hornbeck	42.0	50.9	—	9-6	27	1
Progeny 4908RR (E)	Progeny	41.9	54.8	—	9-6	25	1
47R53 TM	REV ™	41.7	—	—	9-6	23	1
Progeny 4807RR	Progeny	41.6	57.8	—	9-6	23	1
48R10 TM	REV ™	40.9	54.9	—	9-6	26	1
Progeny 4811RY	Progeny	40.9	—	—	8-29	26	1
X1211	Armor	40.7	—	—	9-6	26	1
HBK R4729	Hornbeck	40.7	—	—	9-6	22	1
DG 4875RR2	Delta Grow	40.5	—	—	8-29	25	1

[1](E)=Experimental.
[2]No 3-year yields.

Table 58 (cont.). Roundup Ready Maturity Group IV Late Soybeans (Brown Loam Branch, Raymond).[1]

Variety	Brand	Yield[2]			Maturity date	Plant height	Lodging score
		2011	2-yr. avg.	3-yr. avg.			
		bu/A	*bu/A*	*bu/A*		*in*	
AG 4832	Asgrow	40.5	—	—	8-29	29	1
48R22 TM	REV ™	40.4	52.5	—	8-29	20	1
Progeny 4911RY	Progeny	40.2	—	—	9-6	28	1
R2T4799S	Croplan Genetics	40.1	—	—	9-6	18	1
X1209	Armor	39.7	—	—	9-6	30	1
48RC32	Stine	39.1	—	—	9-6	21	1
478.RCS	Schillinger	38.7	52.7	—	9-6	21	1
94Y90	Pioneer	38.6	53.8	—	9-6	21	1
74H81	USG	38.5	—	—	9-6	26	1
AG4730	Asgrow	38.5	51.2	—	9-6	21	1
X1210	Armor	38.4	—	—	9-6	21	1
Progeny 4710RY (E)	Progeny	38.2	46.7	—	9-6	18	1
DG 33G48	Dyna-Gro	38.2	50.5	—	8-29	24	1
AG4732	Asgrow	37.0	—	—	9-6	27	1
RTS 4824	Morsoy	36.7	52.1	—	9-6	21	1
RC 4877	Croplan Genetics	36.6	54.4	—	9-6	24	1
48X00	Morsoy Xtra	36.5	—	—	9-6	21	1
495.RC	Schillinger	36.4	49.0	—	9-6	24	1
S49-H7 Brand	NK Brand	36.3	54.7	—	9-6	26	1
X1208	Armor	35.8	—	—	9-6	28	1
DG 4880RR	Delta Grow	35.8	48.4	—	9-6	22	1
47R22 TM	REV ™	35.5	48.5	—	9-6	24	1
DG 4970RR	Delta Grow	35.1	50.0	—	9-6	25	1
33RY47	Dyna-Gro	34.6	—	—	8-29	25	1
DG4975RR	Delta Grow	34.4	50.0	—	9-6	20	1
Progeny 4750 RR	Progeny	34.2	49.1	—	9-6	23	1
DG 4470RR/STS	Delta Grow	33.9	—	—	8-29	24	1
49R43 TM	REV ™	33.5			9-6	21	1
AG 4932	Asgrow	33.5	—	—	9-6	22	1
94Y70	Pioneer	32.8	50.9	—	8-29	23	1
HBK RY4721	Hornbeck	32.4	—	—	8-29	26	1
RC 4757S	Croplan Genetics	31.9	49.7	—	9-6	22	1
HBK R4830	Hornbeck	31.5	—	—	8-29	25	1
46R73 TM	REV ™	31.0	—	—	8-29	24	1
S08-14087RR	Univ. of Missouri	30.3	—	—	8-29	26	1
HBK R4829	Hornbeck	29.2	49.3	—	9-6	21	1
NK S47-R3 Brand	NK Brand	26.8	41.7	—	9-6	26	1
Mean		38.5	51.3				
LSD .1		9.1					
Error df		116					
CV		17.5					
R sq		47					

[1](E)=Experimental.
[2]No 3-year yields.

Table 59. Roundup Ready Maturity Group V Early Soybeans (Brown Loam Branch, Raymond).[1]

Variety	Brand	Yield[2]			Maturity date	Plant height	Lodging score
		2011	2-yr. avg.	3-yr. avg.			
		bu/A	*bu/A*	*bu/A*		*in*	
Progeny 5330RR	Progeny	54.2	65.8	—	9-16	20	1
AG5332	Asgrow	53.2	—	—	9-16	20	1
Progeny 5622RR	Progeny	50.4	63.0	—	9-16	20	1
54X41	Morsoy Xtra	50.2	—	—	9-16	17	1
Progeny 5610RY (E)	Progeny	47.6	60.1	—	9-16	16	1
HBK RY5121	Hornbeck	47.3	—	—	9-6	15	1
51R53TM	REV R	47.2	—	—	9-6	26	1
53X51	Morsoy Xtra	47.1	—	—	9-16	21	1
HBK RY5521	Hornbeck	46.8	—	—	9-16	16	1
DG 35F55	Dyna-Gro	46.6	60.7	—	9-16	19	1

[1](E)=Experimental.
[2]No 3-year yields.

Table 59 (cont.). Roundup Ready Maturity Group V Early Soybeans (Brown Loam Branch, Raymond).[1]

Variety	Brand	Yield[2]			Maturity date	Plant height	Lodging score
		2011	2-yr. avg.	3-yr. avg.			
		bu/A	*bu/A*	*bu/A*		*in*	
X1218	Armor	46.4	—	—	9-16	17	1
MorSoy RT5168N (E)	MorSoy	45.9	50.8	—	9-6	22	1
DG 5110RR2	Delta Grow	45.7	—	—	9-6	32	1
AG5632	Asgrow	44.8	—	—	9-6	17	1
DG 35P53	Dyna-Gro	44.7	58.0	—	9-16	22	1
DK 5363	Delta King	44.2	59.7	—	9-16	22	1
X1213	Armor	43.9	—	—	9-6	18	1
32RY55	Dyna-Gro	43.9	—	—	9-16	18	1
Progeny 5655RY	Progeny	43.7	—	—	9-16	24	1
Everest 1251 RR2Y	Merschman	43.7	—	—	9-6	22	1
Progeny 5111RY	Progeny	43.5	—	—	9-6	19	1
X1216	Armor	43.4	—	—	9-6	18	1
USG 75Z38	USG	43.3	—	—	9-16	22	1
DG 5275RR2	Delta Grow	43.1	56.9	—	9-6	19	1
Progeny 5210RY (E)	Progeny	43.0	60.1	—	9-6	20	1
DG 5555RR	Delta Grow	42.9	57.5	—	9-16	19	1
Progeny 5321RY	Progeny	42.3	—	—	9-16	37	1
X1215	Armor	42.2	—	—	9-16	22	1
AGS 568RR	AGS	41.4	57.8	—	9-16	14	1
DG 5565RR2	Delta Grow	40.9	—	—	9-16	17	1
R2C5360	Croplan Genetics	40.7	—	—	9-6	20	1
X1217	Armor	40.4	—	—	9-16	20	1
95Y30	Pioneer	40.2	57.3	—	9-6	21	1
56R21 TM	REV ™	40.0	57.1	—	9-16	17	1
53-R15	Armor	39.6	—	—	9-6	20	1
95Y01	Pioneer	39.5	53.8	—	9-6	19	1
5220.RC	Schillinger	39.4	—	—	9-6	25	1
55R21 TM	REV ™	39.4	58.8	—	9-16	23	1
95Y40	Pioneer	39.3	—	—	9-16	17	1
DG 5280RR	Delta Grow	39.3	50.0	—	9-16	17	1
S54-V4 Brand	NK Brand	39.0	—	—	9-16	11	1
AG5532	Asgrow	38.0	—	—	9-6	17	1
AG5232	Asgrow	36.9	—	—	9-6	18	1
Progeny 5650RR	Progeny	36.8	54.1	—	9-16	22	1
51X31	Morsoy Xtra	36.0	—	—	9-6	17	1
HBK R5226	Hornbeck	36.0	51.0	—	9-16	18	1
DG 5545RR	Delta Grow	35.6	—	—	9-6	14	1
DG 5656RR2	Delta Grow	35.1	—	—	9-6	17	1
HBK R5525	Hornbeck	34.9	52.8	—	9-16	18	1
56R63TM	REV R	34.8	—	—	9-16	24	1
AGS 554RR	AGS	34.8	57.3	—	9-16	15	1
RT 5429N	MorSoy	34.5	53.2	—	9-16	17	1
HBK RY5220	Hornbeck	34.3	50.4	—	9-6	20	1
RC 5007S	Croplan Genetics	34.1	50.8	—	9-16	14	1
NK S56-G6 Brand	NK Brand	33.2	44.6	—	9-16	15	1
HBK RY5421	Hornbeck	33.1	—	—	9-6	15	1
DG 37RY52	Dyna-Gro	32.9	54.3	—	9-6	15	1
557.RC	Schillinger	32.5	49.1	—	9-16	19	1
HBK RY5221	Hornbeck	32.4	—	—	9-6	24	3
DG5300RR/STS	Delta Grow	31.4	54.2	—	9-6	14	1
DG5160RR/STS	Delta Grow	31.3	—	—	9-6	23	1
HBK R5529	Hornbeck	31.3	48.9	—	9-16	11	1
DG 5252RR2	Delta Grow	28.3	—	—	9-6	18	1
Mean		40.45	55.3				
LSD .1		8.44					
Error df		124					
CV		15.4					
R sq		58.3					

[1](E)=Experimental.
[2]No 3-year yields.

Table 60. Roundup Ready Maturity Group V Late Soybeans (Brown Loam Branch, Raymond).

Variety	Brand	Yield[1]			Maturity date	Plant height	Lodging score
		2011	2-yr. avg.	3-yr. avg.			
		bu/A	*bu/A*	*bu/A*		*in*	
USG 75Z98	USG	42.6	—	—	9/22	21	1
AGS 597	AGS	41.9	54.5	—	9/22	20	1
Progeny 5711RY	Progeny	40.0	—	—	9/22	21	1
95Y70	Pioneer	34.0	50.4	—	9/22	20	1
39RY57	Dyna-Gro	33.1	—	—	9/22	20	1
AG5831	Asgrow	33.1	53.2	—	9/22	17	1
57R21 TM	REV ™	31.8	52.1	—	9/22	20	1
AG5832	Asgrow	31.6	—	—	9/22	36	1
Progeny 5811RY	Progeny	30.9	—	—	9/22	22	1
NK S57-K3 Brand	NK Brand	29.8	48.2	—	9/22	17	1
AGS 606RR	AGS	29.6	48.3	—	9/22	20	1
Mean		34.4	51.1				
LSD .1		6.3					
Error df		20					
CV		13					
R square		67.2					

[1]No 3-year yields.

Location 8. Ragland Farms, Satartia

Location Summary

The soybean plots were planted in late June after floodwaters from heavy late-spring rains had receded. Soil moisture was adequate for seed germination. All plots emerged to a suitable stand. Heavy infestations of three-cornered alfalfa hoppers caused severe damage to the stems around the V2 growth stage, resulting in high levels of plant loss. MG IV varieties were unable to achieve much vegetative growth, resulting in poor harvest efficiency. MG V varieties reached larger plant heights, resulting in better yields.

Soil type: . . . . . **Sharkey clay loam**

Soil pH: **5.1**

Soil fertility: . . . . . **P=M; K=M**

Fertilizer added: . . . . . **None**

Herbicide applications: . . . . **Preemergence — Authority MTZ @ 12 oz/A, Dual II Magnum @ 1 pt/A, and Gramoxone @ 1 qt/A on June 28**
Postemergence — Roundup Powermax @ 22 oz/A on July 25

Previous crop: . . . . . **Soybeans**

Planting date: . . . . . **June 28**

Harvest date: . . . . . **November 1**

Rainfall Summary

	Inches
June	1.85
July	4.63
August	1.03
September	4.54
October	0.46
Total	12.51

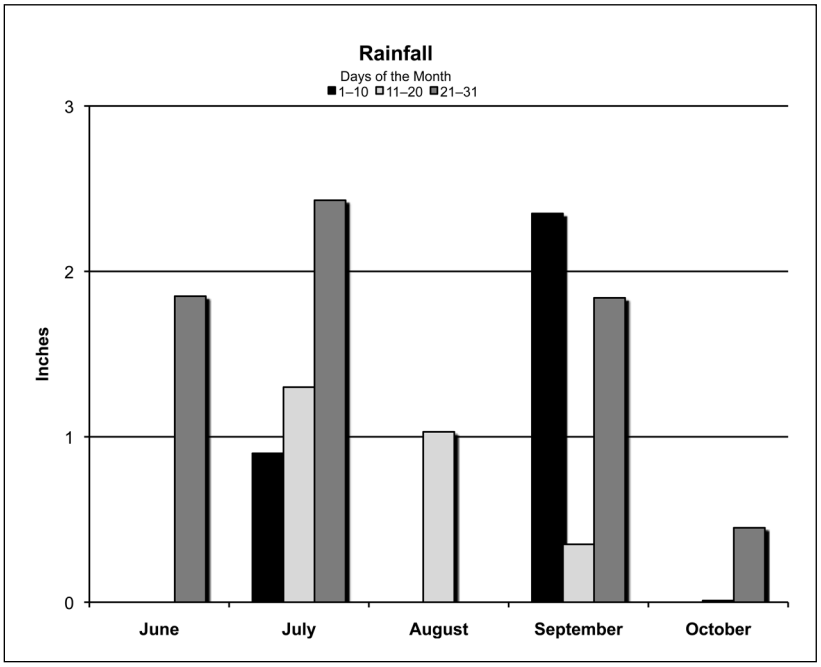

Table 61. Maturity Group IV Early Soybeans Late Planted and Nonirrigated (Ragland Farms, Yazoo County).

Variety	Brand	2011 yield	Maturity date[1]	Plant height	Lodging score
		bu/A		*in*	
Asgrow	AG 4531	12.6	—	13	1
Schillinger	457.RCP	10.4	—	13	1
NK	S44-D5	10.4	—	14	1
Pioneer	94Y40	7.9	—	8	1
Dyna-Gro	34RY46	7.0	—	15	1
REV	44R22	6.6	—	13	1
Mean		9.1			
LSD .1		6.5			
Error df		10			
CV		47.8			
R sq		30.5			

[1]No Maturity date taken.

Table 62. Maturity Group IV Late Soybeans Late Planted and Nonirrigated (Ragland Farms, Yazoo County).

Variety	Brand	2011 yield	Maturity date[1]	Plant height	Lodging score
		bu/A		*in*	
REV	48R22	14.0	—	13	1
Dyna-Gro	33G48	13.3	—	16	1
Pioneer	94Y90	12.9	—	17	1
Progeny	4906 RR	12.8	—	21	1
Delta Grow	DG 4975 RR	12.3	—	11	1
Hornbeck	HBK R4829	8.0	—	15	1
Mean		12.2			
LSD .1		11.3			
Error df		10			
CV		62.8			
R sq		24.5			

[1]No Maturity date taken.

Table 63. Maturity Group V Early Soybeans Late Planted and Nonirrigated (Ragland Farms, Yazoo County).

Variety	Brand	2011 yield	Maturity date[1]	Plant height	Lodging score
		bu/A		*in*	
Hornbeck	HBK R5226	22.5	—	16	1
Pioneer	95Y40	19.2	—	11	1
Delta Grow	DG 5555 RR	18.4	—	17	1
Schillinger	557.RC	17.2	—	9	1
AGS	568 RR	17.1	—	14	1
REV	56R21	14.4	—	17	1
Mean		18.1			
LSD .1		12.7			
Error df		10			
CV		47.3			
R sq		46.6			

[1]No Maturity date taken.

Table 64. Maturity Group V Late Soybeans Late Planted and Nonirrigated (Ragland Farms, Yazoo County).

Variety	Brand	2011 yield	Maturity date[1]	Plant height	Lodging score
		bu/A		*in*	
Pioneer	95Y70	49.4	—	20	1
NK	S 57-K3	47.9	—	18	1
AGS	597	38.6	—	18	1
AGS	606 RR	32.3	—	16	1
REV	57R21	28.1	—	25	1
Asgrow	AG 5831	21.5	—	11	1
Mean		36.3			
LSD .1		16.5			
Error df		10			
CV		30.7			
R sq		60			

[1]No Maturity date taken.

Plant Characteristics

Table 65. Plant Characteristics of Maturity Group IV Conventional Soybeans.[1]

Variety	Brand	Color				Seeds[2]	Growth	
		Bloom	Pubescence	Pod wall	Hilum		D/I[3]	RM[4]
DG 4861LL	Delta Grow	purple	tawny	tan	black	2939	I	4.8
33LL49	Dyna-Gro	—	gray	—	—	3864	—	4.9
4411LL	GoSoy	—	—	—	—	3247	I	4.4
4810LL	GoSoy	—	—	—	—	3259	I	4.8
HBK C4926	Hornbeck	purple	gray	tan	imp. black	3102	I	4.9
HBK C4929	Hornbeck	purple	lt. tawny	brown	lt. black	3483	I	4.9
MIAMI 949LL	Merschman	purple	gray	tan	imp. black	4258	—	4.9
Tampa 1245LL	Merschman	purple	lt. tawny	brown	black	2776	—	4.5
CB4860	Morsoy	purple	gray	tan	imp. black	2711	—	4.8
Progeny 4928LL	Progeny	purple	gray	tan	buff	3166	I	4.9
Progeny P4910	Progeny	seg.	lt. tawny	tan	black	3517	I	4.9
UA 4910	U. of Arkansas	white	lt. tawny	tan	black	4026	I	4.9
S08-17361	U. of Missouri	white	tawny	tan	black	2877	—	4.9
Halo 4:65	US Seeds	purple	lt. tawny	brown	black	3223	—	4.6
HALO 4:75	US Seeds	purple	tawny	tan	black	2630	I	4.7
Halo 4:94	US Seeds	purple	gray	tan	imp. black	3021	—	4.9
LG04-1459-6	USDA-ARS	purple	gray	brown	imp. black	2615	I	3.9
Y227-1	USDA-ARS	purple	tawny	tan	brown	3650	I	4.1
Hanover	VA Tech	purple	tawny	tan	black	2969	D	4.9

[1](E) = Experimental.
[2]Represents an average number of seed per pound, seed may vary according to season and location.
[3]D = determinate; I = indeterminate.
[4]Relative Maturity is an indicator of how this variety or line matures in relationship to other varieties or lines. The whole number refers to Maturity Groups IV and V. The decimal numbers convey the relative earliness or lateness. For example, 4.0 is very early in Group IV, while 4.9 is very late in Group IV.

Table 66. Plant Characteristics of Maturity Group V Conventional Soybeans.[1]

Variety	Brand	Color				Seeds[2]	Growth	
		Bloom	Pubescence	Pod wall	Hilum		D/I[3]	RM[4]
AGS 5911LL	AGS	white	gray	brown	buff	4253	—	5.9
AGS 6011LL	AGS	purple	tawny	tan	black	2721	—	6
DG5461LL	Delta Grow	purple	gray	tan	imp. Black	3131	—	5.4
34LL53	Dyna-Gro	—	tawny	—	—	3021	—	5.3
5111LL	GoSoy	—	—	—	—	2858	D	5.1
5911LL	GoSoy	—	—	—	—	3996	D	5.9
HBK C5025	Hornbeck	white	gray	tan	buff	3327	I	5
HBK C5528	Hornbeck	purple	tawny	tan	black	3027	—	5.5
CB 5209	Morsoy	white	tawny	tan	brown	2681	—	5.2
Progeny 5160LL (E)	Progeny	white	tawny	brown	black	3703	D	5.1
Progeny 5960LL (E)	Progeny	white	gray	brown	buff	3641	D	5.9
Progeny 5460LL	Progeny	purple	lt. tawny	tan	brown	3222	D	5.4
Progeny 5191	Progeny	white	tawny	tan	black	3820	D	5.1
Progeny 5261LL	Progeny	purple	gray	brown	imp. black	3352	D	5.2
Progeny P4910	Progeny	seg.	lt. tawny	tan	black	3517	I	4.9
Progeny P5770	Progeny	purple	gray	tan	buff	3084	D	5.7
50LC82	Stine	—	—	—	—	2999	—	5
Osage	U. of Arkansas	purple	gray	tan	imp. Black	3335	—	5.6
Ozark	U. of Arkansas	purple	gray	tan	buff	3057	—	5.2
Halo 5:25	US Seeds	white	tawny	brown	black	2882	—	5.2
Halo 5:65	US Seeds	white	gray	brown	buff	4184	—	5.6
DB00-087-08(E)	USDA-ARS	purple	tawny	tan	—	4285	—	5
DB03-8416(E)	USDA-ARS	purple	gray	tan	—	3331	—	5
DB04-10836(E)	USDA-ARS	white	tawny	tan	—	4249	—	5
DB06-2257(E)	USDA-ARS	purple	tawny	tan	—	3593	—	5
DB06-3442(E)	USDA-ARS	white	gray	tan	—	3434	—	5
Glenn	VA Tech	white	tawny	tan	black	3344	—	5.3

[1](E) = Experimental.
[2]Represents an average number of seed per pound, seed may vary according to season and location.
[3]D = determinate; I = indeterminate.
[4]Relative Maturity is an indicator of how this variety or line matures in relationship to other varieties or lines. The whole number refers to Maturity Groups IV and V. The decimal numbers convey the relative earliness or lateness. For example, 5.0 is very early in Group V, while 5.9 is very late in Group V.

Table 67. Plant Characteristics of Roundup Ready Maturity Group IV Early Soybeans.[1]

Variety	Brand	Color				Seeds[2]	Growth	
		Bloom	Pubescence	Pod wall	Hilum		D/I[3]	RM[4]
AG4531	Asgrow	purple	lt. tawny	tan	black	3123	—	4.5
AG4632	Asgrow	purple	lt. tawny	brown	black	3020	—	4.6
R2C4520	Croplan Genetics	purple	gray	tan	black	3061	I	4.5
DG 4670RR2	Delta Grow	purple	lt. tawny	brown	black	2850	I	4.6
DG4460RR	Delta Grow	white	lt. tawny	tan	black	3077	I	4.4
31RY45	Dyna-Gro	—	—	—	—	2952	—	4.5
34RY46	Dyna-Gro	—	lt. tawny	—	—	3000	—	4.6
HBK R4527	Hornbeck	white	gray	tan	black	4740	I	4.5
HBK RY4620	Hornbeck	purple	lt. tawny	brown	black	2912	I	4.6
Phoenix 1245 RR2Y	Merschman	purple	lt. tawny	brown	black	2909	—	4.5
46X29	Morsoy Xtra	purple	lt. tawny	tan	black	2664	—	4.6
46X71	Morsoy Xtra	purple	lt. tawny	brown	black	2839	—	4.6
S44-D5 Brand	NK Brand	white	lt. tawny	brown	brown	3940	—	4.4
93Y92	Pioneer	purple	lt. tawny	tan	black	3224	I	3.9
94Y40	Pioneer	purple	lt. tawny	tan	black	3057	I	4.4
94Y50	Pioneer	purple	tawny	brown	black	2958	I	4.5
94Y61	Pioneer	white	lt. tawny	tan	black	3237	I	4.6
Progeny 4211RY	Progeny	purple	gray	tan	imp. Black	2822	I	4.2
Progeny 4510RY	Progeny	purple	lt. tawny	tan	black	3139	I	4.5
Progeny 4611RY	Progeny	purple	lt. tawny	brown	black	2853	I	4.6
44R22TM	REV ™	purple	lt. tawny	brown	black	3352	I	4.4
45R10TM	REV ™	purple	lt. tawny	brown	black	3302	I	4.5
457.RCP	Schillinger	purple	tawny	brown	black	3513	I	4.5
458.RCS	Schillinger	white	lt. tawny	brown	black	2925	I	4.6
74C69	USG	purple	tawny	tan	imp. Black	3783	I	4.6

[1](E) = Experimental.
[2]Represents an average number of seed per pound, seed may vary according to season and location.
[3]D = determinate; I = indeterminate
[4]Relative Maturity is an indicator of how this variety or line matures in relationship to other varieties or lines. The whole number refers to Maturity Groups IV and V. The decimal numbers convey the relative earliness or lateness. For example, 4.0 is very early in Group IV, while 4.9 is very late in Group IV.

Table 68. Plant Characteristics of Roundup Ready Maturity Group IV Late Soybeans.[1]

Variety	Brand	Color				Seeds[2]	Growth	
		Bloom	Pubescence	Pod wall	Hilum		D/I[3]	RM[4]
X1208	Armor	purple	lt. tawny	brown	black	2950	I	4.7
X1209	Armor	purple	lt. tawny	brown	black	3160	I	4.7
X1210	Armor	white	tawny	brown	black	3320	I	4.8
X1211	Armor	purple	lt. tawny	tan	black	4100	I	4.9
AG 4832	Asgrow	purple	lt. tawny	brown	black	2823	—	4.8
AG 4932	Asgrow	purple	tawny	brown	black	2767	—	4.9
AG4730	Asgrow	purple	lt. tawny	tan	black	2971	—	4.7
AG4732	Asgrow	purple	lt. tawny	brown	black	3052	—	4.7
R2T4799S	Croplan Genetics	purple	lt. tawny	tan	black	2824	D/I	4.7
RC 4757S	Croplan Genetics	white/purple	lt. tawny	tan	black	3117	D/I	4.7
RC 4877	Croplan Genetics	purple	tawny	brown	black	3353	D/I	4.8
DG 4770RR/STS	Delta Grow	purple	tawny	tan	black	2923	I	4.7
DG 4875RR2	Delta Grow	purple	lt. tawny	brown	black	2979	I	4.8
DG 4880RR	Delta Grow	white	tawny	red	black	3427	I	4.8
DG 4970RR	Delta Grow	purple	tawny	tan	black	4026	I	4.9
DG4975RR	Delta Grow	purple	tawny	brown	black	3029	I	4.9
DKR 4744s	Delta King	purple	lt. tawny	tan	black	3600	I	4.7
33RY47	Dyna-Gro	—	lt. tawny	—	—	3120	—	4.7
DG 33G48	Dyna-Gro	—	tawny	—	—	3431	—	4.8
HBK R4729	Hornbeck	purple	tawny	tan	brown	3030	I	4.7
HBK R4829	Hornbeck	white	tawny	brown	black	3197	I	4.8
HBK R4830	Hornbeck	seg.	lt. tawny	tan	black	3243	I	4.8
HBK R4924	Hornbeck	purple	lt. tawny	brown	lt. black	3543	I	4.9

[1](E) = Experimental.
[2]Represents an average number of seed per pound, seed may vary according to season and location.
[3]D = determinate; I = indeterminate
[4]Relative Maturity is an indicator of how this variety or line matures in relationship to other varieties or lines. The whole number refers to Maturity Groups IV and V. The decimal numbers convey the relative earliness or lateness. For example, 4.0 is very early in Group IV, while 4.9 is very late in Group IV.

Table 68 (cont.). Plant Characteristics of Roundup Ready Maturity Group IV Late Soybeans.[1]

Variety	Brand	Color				Seeds[2]	Growth	
		Bloom	Pubescence	Pod wall	Hilum		D/I[3]	RM[4]
HBK RY4721	Hornbeck	purple	lt. tawny	brown	black	2981	I	4.7
MorSoy RT4707	MorSoy	purple	tawny	brown	black	2413	—	4.7
RTS 4824	Morsoy	purple	lt. tawny	brown	black	2737	—	4.8
47X31	Morsoy Xtra	purple	lt. tawny	brown	black	3020	—	4.7
48X00	Morsoy Xtra	purple	lt. tawny	brown	black	2451	—	4.8
49X10	Morsoy Xtra	purple	lt. tawny	tan	black	3611	—	4.9
NK S47-R3 Brand	NK Brand	white	gray	tan	buff	2976	—	4.7
S49-H7 Brand	NK Brand	white	tawny	tan	black	3256	—	4.9
94Y70	Pioneer	purple	tawny	brown	black	3037	I	4.7
94Y80	Pioneer	purple	lt. tawny	brown	black	3208	I	4.8
94Y90	Pioneer	purple	lt. tawny	brown	black	2816	I	4.9
Progeny 4710RY (E)	Progeny	purple	lt. tawny	tan	black	3216	I	4.7
Progeny 4807RR	Progeny	purple	tawny	brown	black	3055	I	4.8
Progeny 4750 RR	Progeny	white	tawny	brown	black	3392	I	4.7
Progeny 4811RY	Progeny	purple	lt. tawny	brown	black	3035	I	4.8
Progeny 4906RR	Progeny	purple	tawny	tan	black	3392	I	4.9
Progeny 4908RR (E)	Progeny	white	lt. tawny	brown	black	3241	I	4.9
Progeny 4911RY	Progeny	purple	tawny	tan	black	3614	I	4.9
47R22 TM	REV ™	purple	lt. tawny	brown	black	3239	I	4.7
48R22 TM	REV ™	white	lt. tawny	brown	black	2747	I	4.8
49R22 TM	REV ™	purple	lt. tawny	brown	black	3191	I	4.9
47R53 TM	REV ™	—	tawny	—	—	2785	I	4.7
48R33 TM	REV ™	—	tawny	—	—	2650	I	4.8
49R43 TM	REV ™	—	tawny	—	—	3170	I	4.9
46R73 TM	REV ™	—	tawny	—	—	2661	I	4.6
48R10 TM	REV ™	white	lt. tawny	brown	black	3434	I	4.8
49R11 TM	REV ™	white	tawny	brown	black	3405	I	4.9
478.RCS	Schillinger	white	lt. tawny	brown	black	3635	I	4.7
495.RC	Schillinger	purple	lt. tawny	brown	black	2849	I	4.9
4990.RC	Schillinger	purple	lt. tawny	brown	black	3709	I	4.9
48RC32	Stine	—	—	—	—	2954	—	4.8
S08-14087RR	U. of Missouri	purple	tawny	tan	black	3254	—	4.6
74H81	USG	purple	lt. tawny	brown	black	2943	I	4.8
USG 7495nRS	USG	purple	gray	tan	imp. Black	3898	I	4.9
USG 74A79	USG	purple	lt. tawny	brown	black	3394	I	4.7
USG 74F96	USG	purple	lt. tawny	tan	black	3168	I	4.9

[1](E) = Experimental.
[2]Represents an average number of seed per pound, seed may vary according to season and location.
[3]D = determinate; I = indeterminate
[4]Relative Maturity is an indicator of how this variety or line matures in relationship to other varieties or lines. The whole number refers to Maturity Groups IV and V. The decimal numbers convey the relative earliness or lateness. For example, 4.0 is very early in Group IV, while 4.9 is very late in Group IV.

Table 69. Plant Characteristics of Roundup Ready Maturity Group V Early Soybeans.[1]

Variety	Brand	Color				Seeds[2]	Growth	
		Bloom	Pubescence	Pod wall	Hilum		D/I[3]	RM[4]
AGS 554RR	AGS	purple	tawny	tan	black	3106	—	5.5
AGS 568RR	AGS	purple	tawny	tan	black	3061	—	5.6
53-R15	Armor	purple	gray	tan	imp. Black	2650	D	5.3
X1213	Armor	purple	gray	tan	imp. Black	3250	D	5.4
X1215	Armor	purple	gray	tan	imp. Black	2800	D	5.5
X1216	Armor	purple	gray	tan	imp. Black	3250	D	5.5
X1217	Armor	purple	gray	tan	imp. Black	2860	D	5.4
X1218	Armor	purple	gray	tan	imp. Black	3038	D	5.5
AG5232	Asgrow	purple	gray	tan	imp. Black	3914	—	5.2
AG5332	Asgrow	purple	tawny	tan	black	3329	—	5.3
AG5532	Asgrow	white	gray	tan	buff	3339	—	5.5
AG5632	Asgrow	white	gray	tan	buff	3210	—	5.6

[1](E) = Experimental.
[2]Represents an average number of seed per pound, seed may vary according to season and location.
[3]D = determinate; I = indeterminate.
[4]Relative Maturity is an indicator of how this variety or line matures in relationship to other varieties or lines. The whole number refers to Maturity Groups IV and V. The decimal numbers convey the relative earliness or lateness. For example, 5.0 is very early in Group V, while 5.9 is very late in Group V.

Table 69 (cont.). Plant Characteristics of Roundup Ready Maturity Group V Early Soybeans.[1]

Variety	Brand	Color				Seeds[2]	Growth	
		Bloom	Pubescence	Pod wall	Hilum		D/I[3]	RM[4]
R2C5360	Croplan Genetics	purple	gray	tan	black	4086	D/I	5.3
RC 5007S	Croplan Genetics	white	gray	tan	buff	2922	D/I	5
DG 5110RR2	Delta Grow	purple	tawny	tan	black	3643	I	5.1
DG 5252RR2	Delta Grow	purple	tawny	tan	black	2638	—	5.2
DG 5275RR2	Delta Grow	purple	gray	tan	imp. Black	2800	—	5.2
DG 5280RR	Delta Grow	purple	tawny	brown	black	2714	D	5.2
DG 5545RR	Delta Grow	—	—	—	—	2992	—	5.5
DG 5555RR	Delta Grow	purple	gray	tan	imp. Black	3194	—	5.5
DG 5565RR2	Delta Grow	purple	gray	tan	imp. Black	2987	—	5.5
DG 5656RR2	Delta Grow	purple	tawny	tan	black	2864	D	5.6
DG5160RR/STS	Delta Grow	purple	gray	tan	imp. Black	3547	I	5.1
DG5300RR/STS	Delta Grow	white	gray	tan	buff	3158	—	5.3
DK 5363	Delta King	mixed	tawny	tan	black	2800	D	5.3
32RY55	Dyna-Gro	—	gray	—	—	3039	—	5.5
DG 35F55	Dyna-Gro	—	gray	—	—	3157	—	5.5
DG 35P53	Dyna-Gro	—	gray	—	—	3286	—	5.3
DG 37RY52	Dyna-Gro	—	gray	—	—	3008	—	5.2
HBK R5226	Hornbeck	purple	tawny	tan	black	2997	—	5.2
HBK R5525	Hornbeck	purple	tawny	tan	black	3087	—	5.5
HBK R5529	Hornbeck	white	tawny	tan	brown	3431	—	5.5
HBK RY5121	Hornbeck	purple	gray	tan	imp. Black	3020	—	5.1
HBK RY5220	Hornbeck	white	gray	tan	buff	3631	I	5.2
HBK RY5221	Hornbeck	purple	gray	tan	imp. Black	2817	—	5.2
HBK RY5421	Hornbeck	purple	gray	tan	imp. Black	3259	—	5.4
HBK RY5521	Hornbeck	purple	gray	tan	imp. Black	3494	—	5.5
Everest 1251 RR2Y	Merschman	white	gray	tan	buff	3074	—	5.1
MorSoy RT5168N (E)	MorSoy	white	gray	tan	buff	2969	—	5.1
RT 5429N	MorSoy	white	tawny	tan	black	3268	—	5.4
51X31	Morsoy Xtra	white	gray	tan	buff	2992	—	5.1
53X51	Morsoy Xtra	purple	gray	tan	buff	3160	—	5.3
54X41	Morsoy Xtra	purple	gray	tan	imp. Black	2954	—	5.4
NK S56-G6 Brand	NK Brand	purple	tawny	tan	black	3676	—	5.6
S54-V4 Brand	NK Brand	purple	gray	tan	imp. Black	3431	—	5.4
95Y40	Pioneer	white	tawny	brown	black	2901	D	5.4
95Y01	Pioneer	purple	tawny	brown	black	3151	I	5
95Y30	Pioneer	white	gray	tan	buff	3481	D	5.3
Progeny 5210RY (E)	Progeny	purple	gray	tan	imp. Black	2830	D	5.2
Progeny 5330RR	Progeny	purple	tawny	tan	black	3054	D	5.3
Progeny 5610RY (E)	Progeny	purple	gray	tan	buff	2774	D	5.6
Progeny 5111RY	Progeny	white	gray	tan	buff	3043	D	5.1
Progeny 5321RY	Progeny	purple	gray	brown	imp. Black	3075	D	5.3
Progeny 5622RR	Progeny	white	gray	tan	buff	2949	D	5.6
Progeny 5650RR	Progeny	white	gray	tan	buff	3493	D	5.6
Progeny 5655RY	Progeny	white	gray	brown	buff	2772	D	5.6
51R53TM	REV ™	—	lt. tawny	—	—	2619	—	5.1
56R63TM	REV ™	—	gray	—	—	3127	—	5.6
55R21 TM	REV ™	white	gray	tan	buff	2903	—	5.5
56R21 TM	REV ™	purple	gray	tan	imp. Black	3186	—	5.6
5220.RC	Schillinger	white	lt. tawny	tan	black	2913	I	5.2
557.RC	Schillinger	purple	gray	tawny	black	3701	D	5.5
USG 75Z38	USG	purple	tawny	tan	black	2659	—	5.3

[1](E) = Experimental.
[2]Represents an average number of seed per pound, seed may vary according to season and location.
[3]D = determinate; I = indeterminate.
[4]Relative Maturity is an indicator of how this variety or line matures in relationship to other varieties or lines. The whole number refers to Maturity Groups IV and V. The decimal numbers convey the relative earliness or lateness. For example, 5.0 is very early in Group V, while 5.9 is very late in Group V.

Table 70. Plant Characteristics of Roundup Ready Maturity Group V Late Soybeans.[1]

Variety	Brand	Color				Seeds[2]	Growth	
		Bloom	Pubescence	Pod wall	Hilum		D/I[3]	RM[4]
AGS 597	AGS	white	gray	tan	black	2779	5.9	
AGS 606RR	AGS	white	tawny	tan	black	2853	6	
AG5831	Asgrow	purple	tawny	tan	black	3685	5.8	
AG5832	Asgrow	purple	gray	tan	imp. Black	3124	5.8	
39RY57	Dyna-Gro	—	tawny	—	—	2535	5.7	
NK S57-K3 Brand	NK Brand	purple	tawny	tan	black	3056	5.7	
95Y70	Pioneer	white	gray	tan	buff	3393	5.7	
Progeny 5711RY	Progeny	purple	tawny	tan	black	2687	5.7	
Progeny 5811RY	Progeny	purple	gray	tan	imp. Black	3485	5.8	
57R21 TM	REV ™	purple	tawny	tan	—	3363	5.7	
USG 75Z98	USG	white	gray	tan	buff	2659	5.9	

[1](E) = Experimental.
[2]Represents an average number of seed per pound, seed may vary according to season and location.
[3]D = determinate; I = indeterminate.
[4]Relative Maturity is an indicator of how this variety or line matures in relationship to other varieties or lines. The whole number refers to Maturity Groups IV and V. The decimal numbers convey the relative earliness or lateness. For example, 5.0 is very early in Group V, while 5.9 is very late in Group V.

Reaction to Diseases

Tables in this section report data on the soybean varieties' reactions to the common disease stem canker.

Disease Ratings. Disease ratings for stem canker were made by plant pathologists at Mississippi State University.

Stem Canker Score. In addition to the disease ratings, each variety was also assigned a score for its reaction to stem canker. This score gives an average rating of 40 plants stuck with a toothpick of stem canker inoculum. Stem canker ratings convey the level of tolerance based on the score of the plants tooth picked: VS = 4.6 - 5.0; S = 2.0 - 4.5; MS = 1.5 - 1.9; MR = 1.2 - 1.4; R = 1.0 - 1.1.

Some lines or varieties exhibited a range of reactions to stem canker. These findings are expressed with a numeric value in the table (i.e., 1.00-5.00). Five is the highest numeric rating in response to stem canker.

Table 71. 2011 Soybean Stem Canker for Maturity Group IV Conventional Soybeans.

Variety	Brand	Numeric Rating	Variety	Brand	Numeric Rating
DG 4861LL	Delta Grow	1.0	Progeny P4910	Progeny	1.0
33LL49	Dyna-Gro	1.0	UA 4910	University of Arkansas	1.2
4411LL	GoSoy	1.0	S08-17361	University of Missouri	1.0
4810LL	GoSoy	1.0	Halo 4:65	US Seeds	1.0
HBK C4926	Hornbeck	1.0	HALO 4:75	US Seeds	1.0
HBK C4929	Hornbeck	1.0	Halo 4:94	US Seeds	1.0
MIAMI 949LL	Merschman	1.0	LG04-1459-6	USDA-ARS	1.0
Tampa 1245LL	Merschman	1.0	Y227-1	USDA-ARS	1.0
CB4860	Morsoy	1.0	Hanover	VA Tech	2.4
Progeny 4928LL	Progeny	1.0			

Table 72. 2011 Soybean Stem Canker for Maturity Group V Conventional Soybeans.

Variety	Brand	Numeric Rating	Variety	Brand	Numeric Rating
AGS 5911LL	AGS	1.0	Progeny P5770	Progeny	1.7
AGS 6011LL	AGS	1.3	50LC82	Stine	2.3
DG5461LL	Delta Grow	2.6	Osage	University of Arkansas	3.8
34LL53	Dyna-Gro	2.1	Ozark	University of Arkansas	4.0
5111LL	GoSoy	1.0	Halo 5:25	US Seeds	2.4
5911LL	GoSoy	1.6	Halo 5:65	US Seeds	1.1
HBK C5025	Hornbeck	1.3	DB00-087-08(E)	USDA-ARS	2.5
HBK C5528	Hornbeck	2.0	DB03-8416(E)	USDA-ARS	1.0
CB 5209	Morsoy	1.0	DB04-10836(E)	USDA-ARS	1.1
Progeny 5160LL (E)	Progeny	1.9	DB06-2257(E)	USDA-ARS	1.5
Progeny 5460LL (E)	Progeny	3.5	DB06-3442(E)	USDA-ARS	2.0
Progeny 5960LL (E)	Progeny	2.0	Glenn	VA Tech	1.5
Progeny 5191	Progeny	1.5			
Progeny 5261LL	Progeny	2.1			
Progeny P4910	Progeny	1.0			

Table 73. 2011 Soybean Stem Canker for Maturity Group IV Early Roundup Ready Soybeans.

Variety	Brand	Numeric Rating	Variety	Brand	Numeric Rating
AG4531	Asgrow	3.4	93Y92	Pioneer	1.0
AG4632	Asgrow	1.0	94Y40	Pioneer	2.5
R2C4520	Croplan Genetics	1.0	94Y50	Pioneer	1.0
DG 4670RR2	Delta Grow	1.0	94Y61	Pioneer	1.0
DG4460RR	Delta Grow	1.0	Progeny 4211RY	Progeny	3.0
31RY45	Dyna-Gro	1.0	Progeny 4510RY	Progeny	3.0
34RY46	Dyna-Gro	1.0	Progeny 4611RY	Progeny	1.0
HBK R4527	Hornbeck	1.0	44R22 TM	REVR	1.0
HBK RY4620	Hornbeck	3.1	45R10 TM	REVR	1.0
Phoenix 1245 RR2Y	Merschman	1.0	457.RCP	Schillinger	1.0
46X29	Morsoy Xtra	2.1	458.RCS	Schillinger	1.0
46X71	Morsoy Xtra	1.0	74C69	USG	1.0
S44-D5 Brand	NK Brand	1.0			

Table 74. 2011 Soybean Stem Canker for Maturity Group IV Late Roudup Ready Soybeans.

Variety	Brand	Numeric Rating	Variety	Brand	Numeric Rating
X1208	Armor	1.0	NK S47-R3 Brand	NK Brand	1.0
X1209	Armor	1.1	S49-H7 Brand	NK Brand	1.0
X1210	Armor	1.3	94Y70	Pioneer	1.0
X1211	Armor	1.1	94Y80	Pioneer	1.0
AG 4832	Asgrow	2.0	94Y90	Pioneer	1.0
AG 4932	Asgrow	1.0	Progeny 4710RY (E)	Progeny	3.4
AG4730	Asgrow	4.5	Progeny 4807RR	Progeny	1.0
AG4732	Asgrow	2.0	Progeny 4750 RR	Progeny	1.0
R2T4799S	Croplan Genetics	4.2	Progeny 4811RY	Progeny	1.0
RC 4757S	Croplan Genetics	1.0	Progeny 4906RR	Progeny	3.2
RC 4877	Croplan Genetics	1.0	Progeny 4908RR (E)	Progeny	1.0
DG 4470RR/STS	Delta Grow	1.0	Progeny 4911RY	Progeny	1.8
DG 4875RR2	Delta Grow	1.0	46R73 TM	REV TM	1.0
DG 4880RR	Delta Grow	1.0	47R22 TM	REV ™	1.0
DG 4970RR	Delta Grow	1.0	47R53 TM	REV ™	1.0
DG4975RR	Delta Grow	3.7	48R10 TM	REV ™	1.0
DKR 4744s	Delta King	3.1	48R22 TM	REV ™	1.0
33RY47	Dyna-Gro	1.0	48R33 TM	REV ™	1.0
DG 33G48	Dyna-Gro	1.0	49R11 TM	REV ™	1.0
HBK R4729	Hornbeck	1.0	49R22 TM	REV ™	1.0
HBK R4829	Hornbeck	1.0	49R43 TM	REV ™	1.0
HBK R4830	Hornbeck	1.0	478.RCS	Schillinger	2.0
HBK R4924	Hornbeck	1.0	495.RC	Schillinger	1.0
HBK RY4721	Hornbeck	1.0	4990.RC	Schillinger	1.0
MorSoy RT4707	MorSoy	1.3	48RC32	Stine	1.0
RTS 4824	Morsoy	3.7	S08-14087RR	Univ. of Missouri	1.0
47X31	Morsoy Xtra	1.0	74H81	USG	1.5
48X00	Morsoy Xtra	2.6	USG 7495nRS	USG	1.0
49X10	Morsoy Xtra	1.0	USG 74A79	USG	1.0
			USG 74F96	USG	1.0

Table 75. 2011 Soybean Stem Canker for Maturity Group V Early Roudup Ready Soybeans.

Variety	Brand	Numeric Rating	Variety	Brand	Numeric Rating
AGS 554RR	AGS	1.0	HBK RY5121	Hornbeck	1.0
AGS 568RR	AGS	1.4	HBK RY5220	Hornbeck	1.4
53-R15	Armor	1.0	HBK RY5221	Hornbeck	1.0
X1213	Armor	1.0	HBK RY5421	Hornbeck	1.0
X1215	Armor	1.0	HBK RY5521	Hornbeck	1.0
X1216	Armor	1.0	Everest 1251 RR2Y	Merschman	1.4
X1217	Armor	1.0	MorSoy RT5168N (E)	MorSoy	1.0
X1218	Armor	1.0	RT 5429N	MorSoy	1.0
AG5232	Asgrow	1.4	51X31	Morsoy Xtra	1.2
AG5332	Asgrow	1.0	53X51	Morsoy Xtra	1.0
AG5532	Asgrow	2.0	54X41	Morsoy Xtra	1.0
AG5632	Asgrow	1.0	NK S56-G6 Brand	NK Brand	1.0
R2C5360	Croplan Genetics	1.0	S54-V4 Brand	NK Brand	1.0
RC 5007S	Croplan Genetics	1.0	94Y40	Pioneer	1.0
DG 5110RR2	Delta Grow	2.2	95Y01	Pioneer	1.0
DG 5252RR2	Delta Grow	1.8	95Y30	Pioneer	1.5
DG 5275RR2	Delta Grow	1.0	Progeny 5210RY (E)	Progeny	1.0
DG 5280RR	Delta Grow	1.0	Progeny 5330RR	Progeny	1.3
DG 5545RR	Delta Grow	1.0	Progeny 5610RY (E)	Progeny	1.0
DG 5555RR	Delta Grow	1.4	Progeny 5111RY	Progeny	1.4
DG 5565RR2	Delta Grow	1.0	Progeny 5321RY	Progeny	1.0
DG 5656RR2	Delta Grow	1.0	Progeny 5622RR	Progeny	1.0
DG5160RR/STS	Delta Grow	1.0	Progeny 5650RR	Progeny	1.0
DG5300RR/STS	Delta Grow	1.0	Progeny 5655RY	Progeny	1.7
DK 5363	Delta King	1.0	51R53 TM	REV	1.0
32RY55	Dyna-Gro	1.0	56R63 TM	REV	1.0
DG 35F55	Dyna-Gro	2.6	55R21 TM	REV	1.0
DG 35P53	Dyna-Gro	1.0	56R21 TM	REV	2.5
DG 37RY52	Dyna-Gro	1.0	5220.RC	Schillinger	1.0
HBK R5226	Hornbeck	1.0	557.RC	Schillinger	1.0
HBK R5525	Hornbeck	1.2	USG 75Z38	USG	1.0
HBK R5529	Hornbeck	1.0			

Table 76. 2011 Soybean Stem Canker for Maturity Group V Late Roudup Ready Soybeans.

Variety	Brand	Numeric Rating	Variety	Brand	Numeric Rating
AGS 597	AGS	1.2	95Y70	Pioneer	1.0
AGS 606RR	AGS	1.2	Progeny 5711RY	Progeny	1.2
AG5831	Asgrow	1.1	Progeny 5811RY	Progeny	1.1
AG5832	Asgrow	1.0	57R21 TM	REV	1.0
39RY57	Dyna-Gro	1.3	USG 75Z98	USG	1.0
NK S57-K3 Brand	NK Brand	1.0			

Public Varieties Entered

University of Arkansas

UA 4910
Ozark
Osage

University of Missouri

S08-14087RR (Exp.)
S08-17361 (Exp.)

USDA Agricultural Research Service – MS

Y227-1 (Exp.)
LG04-1459-6 (Exp.)
DB03-8416 (Exp.)
DB04-10836 (Exp.)
DB06-2257 (Exp.)
DB06-3442 (Exp.)
DB00-087-08 (Exp.)

Commercial Varieties Entered

AGSouth Genetics P.O. Box 72246 Albany, GA 31708	AGS 554 RR AGS 597 AGS 606 RR	AGS 568 RR AGS 5911 LL AGS 6011 LL
Armor Seed P.O. Box 178 Fisher, AR 72429	Armor X1208 (Exp.) Armor X1209 (Exp.) Armor X1210 (Exp.) Armor X1211 (Exp.) Armor 53-R15 Delta King DK 5363	Armor X1213 (Exp.) Armor X1217 (Exp.) Armor X1215 (Exp.) Armor X1216 (Exp.) Armor X1218 (Exp.) Delta King DKR 4744
Cache River Valley Seed, LLC P.O. Box 10 Cash, AR 72421	Morsoy Xtra 46X29 Morsoy Xtra 48X00 Morsoy Xtra 46X71 (Exp.) Morsoy Xtra 47X31 (Exp.) Morsoy Xtra 51X31 (Exp.) Morsoy Xtra 53X51 (Exp.) Morsoy Xtra 54X41 (Exp.)	Morsoy RTS 4824 Morsoy RT 4707 Morsoy RT 5168 Morsoy RT 5429 Morsoy CB 4860 Morsoy CB 5209 Morsoy Xtra 49X10
Crop Production Services P.O. Box 7 Hollandale, MS 38748	Dyna-Gro 31RY45 Dyna-Gro 34RY46 Dyna-Gro 33RY47 Dyna-Gro 33G48 Dyna-Gro 37RY52 Dyna-Gro 35P53	Dyna-Gro 35F55 Dyna-Gro 32RY55 Dyna-Gro 39RY57 Dyna-Gro 33LL49 Dyna-Gro 34LL53
Delta Grow Seed P.O. Box 219 England, AR 72046	DG 4460RR DG 4670RR2 DG 4770RR DG 4861LL DG 4875RR2 DG 4880RR DG 4970RR DG 4975RR DG 5110RR2 (Exp.) DG 5280RR	DG 5656RR2 (Exp.) DG 5160RR/STS DG 5252RR2 (Exp.) DG 5275RR2 DG 5300RR/STS DG 5461LL DG 5545RR DG 5555RR DG 5565RR2
Hornbeck Seed Company P.O. Box 472 Dewitt, AR 72042	HBK R4527 HBK R4729 HBK R4829 HBK R4830 HBK R4924 HBK R5226 HBK R5525 HBK R5529 HBK RY4620 HBK RY4721	HBK RY5121 HBK RY5220 HBK RY5221 HBK RY5421 HBK RY5521 HBK C4926 HBK C4929 HBK C5025 HBK C5528
Merschman Seeds, Inc. 103 Ave. D, P.O. Box 67 West Point, IA 52656	Everest 1251RR2Y Phoenix 1245RR2Y	Tampa 1245LL Miami 949LL
Monsanto 108 Bayberry Lane Madison, MS 39110	Asgrow AG4531 Asgrow AG4632 Asgrow AG4730 Asgrow AG4732 Asgrow AG4832 Asgrow AG4932	Asgrow AG5232 Asgrow AG5332 Asgrow AG5532 Asgrow AG5632 Asgrow AG5831 Asgrow AG5832
Pioneer Hi-Bred International, Inc. 700 Boulevard South Suite 302 Huntsville, AL 35802	Pioneer 93Y92 Pioneer 94Y40 Pioneer 94Y61 Pioneer 94Y50 Pioneer 94Y70 Pioneer 94Y80	Pioneer 94Y90 Pioneer 95Y01 Pioneer 95Y30 Pioneer 95Y40 Pioneer 95Y70

Progeny Ag Products 1529 Hwy. 193 Wynne, AR 72396	Progeny 4910 Progeny 5191 (Exp.) Progeny 5770 Progeny 4750RR Progeny 4807RR Progeny 4906RR Progeny 4908RR Progeny 5330RR Progeny 5622RR Progeny 5650RR Progeny 4211RY (Exp.) Progeny 4510RY Progeny 4611RY (Exp.) Progeny 4710RY	Progeny 4811RY (Exp.) Progeny 4911RY (Exp.) Progeny 5111RY (Exp.) Progeny 5210RY Progeny 5321RY (Exp.) Progeny 5655RY (Exp.) Progeny 5610RY Progeny 5711RY (Exp.) Progeny 5811RY (Exp.) Progeny 4928LL Progeny 5160LL Progeny 5261LL (Exp.) Progeny 5460LL Progeny 5960LL
Stine Seed Company 5312 Interstate 55 Marion, AR 72364	Stine 48RC32 Stine 50LC82	
Stratton Seed Company 1530 Hwy. 79 South Stuttgart, AR 72160	Schillinger 457.RCP Schillinger 458.RCS Schillinger 478.RCS Schillinger 495.RC Schillinger 4990.RC Schillinger 557.RC	GoSoy 4411LL GoSoy 4810LL GoSoy 5111LL GoSoy 5911LL Schillinger 5220.RC
Syngenta Seeds 11055 Wayzata Blvd. Minnetonka, MN 55305-1526	NK S44-D5 Brand NK S47-R3 Brand NK S49-H7 Brand	NK S54-V4 Brand NK S56-G6 Brand NK S57-K3 Brand
Terral Seed, Inc. P.O. Box 826 Lake Providence, LA 71254	REV™ 44R22™ REV™ 45R10™ REV™ 47R22™ REV™ 48R10™ REV™ 48R22™ REV™ 49R10™ REV™ 49R11™ REV™ 49R22™ REV™ 55R21™	REV™ 56R21™ REV™ 57R21™ REV™ 46R73™ REV™ 47R53™ REV™ 48R33™ REV™ 49R43™ REV™ 51R53™ REV™ 56R63™
U.S. Seeds 1690 Jasmine Conway, AR 72034	HALO 4:65 HALO 4:75 HALO 4:94	HALO 5:25 HALO 5:65
UniSouth Genetics Inc. 3205-C Hwy. 46 S Dickson, TN 37055	USG 74F96 USG 74C69 USG 74H81 USG 7495nRS	USG 75Z38 USG 75Z98 USG 74A79R

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